

STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
**DEPARTMENT OF WATER RESOURCES**  
SOUTHERN DISTRICT

**WATERMASTER SERVICE**  
in the  
**WEST COAST BASIN**  
**Los Angeles County**

**July 1, 2001 - June 30, 2002**

**September 2002**

GRAY DAVIS  
Governor  
State of California

MARY D. NICHOLS  
Secretary for Resources  
The Resources Agency

THOMAS M. HANNIGAN  
Director  
Department of Water  
Resources

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## FOREWORD

The Department of Water Resources, as Watermaster, is pleased to submit this report on water supply conditions in the West Coast Basin during the 2001-2002 fiscal year. The report is prepared annually in accordance with the provisions of the Los Angeles County Superior Court Judgment in the West Coast Basin. The Judgment, together with Part 4, Division 2, of the California Water Code, authorizes this publication and the Department's administration of the Watermaster Service Area.

In the West Coast Basin, the Parties' allowable extraction for 2001-2002 was 77,820 acre-feet, of which 47,962 acre-feet of Adjudicated Right was extracted and 8,789 acre-feet was left in the ground as in-lieu replenishment, with 12,528 acre-feet kept as carryover.

The report includes information not only on groundwater extractions but also on use of imported water, recycled water, recharge operations, and administration of the water exchange pool plus a financial report on Watermaster Service during the 2001-2002 fiscal year.

The Watermaster wishes to acknowledge and express appreciation for the assistance and support received from the many public and private organizations and individuals whose contributions were essential to this report.

The success of Watermaster Service is dependent on continued cooperation and communication between the Watermaster and the water users.

Mark Stuart, P.E., Acting Chief  
Southern District  
and Deputy Watermaster



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(Bound at back of report)

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3	Locations of Wells
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STATE OF CALIFORNIA  
**Gray Davis, Governor**

THE RESOURCES AGENCY  
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DEPARTMENT OF WATER RESOURCES  
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## I. INTRODUCTION

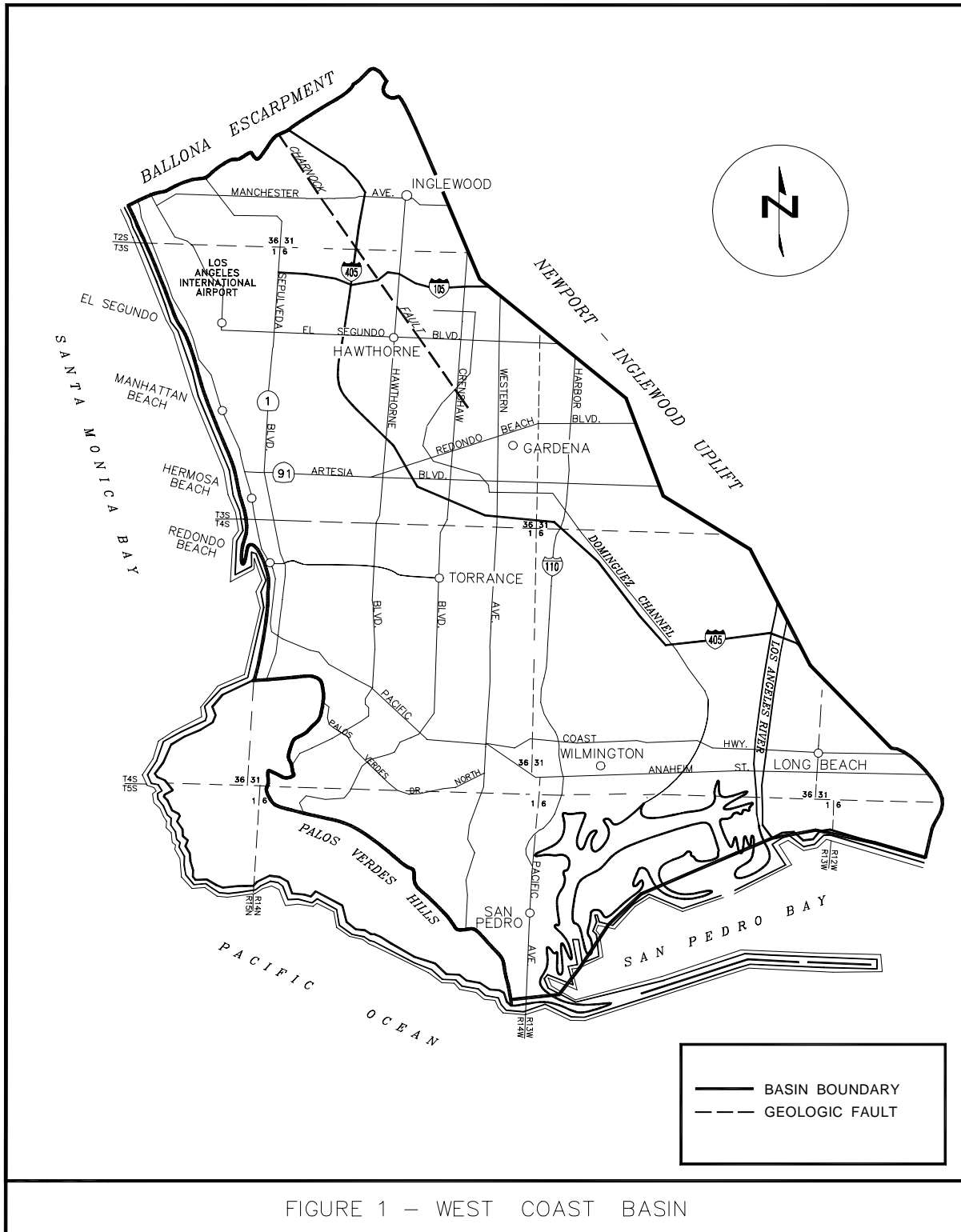
The West Coast Basin (Figure 1) is a relatively small groundwater basin underlying the southwestern part of the Los Angeles Coastal Plain. It is bounded on the north by the Ballona Escarpment, on the east by the Newport-Inglewood Uplift, and on the south and west by the Pacific Ocean. The Basin's 160 square miles include 20 incorporated cities. A substantial portion of the water they need can be pumped directly from the groundwater in storage.

In 1945, when intrusion of sea water caused by declining water levels threatened the quality of the groundwater supply, legal action was begun to halt the overdraft and prevent serious damage to the Basin. Today, groundwater extractions in the Basin are monitored by a court-appointed Watermaster (Department of Water Resources), whose primary job is to control groundwater extractions and report all significant water-related events in the Basin to the Superior Court of Los Angeles County and parties to the West Coast Basin Judgment. The Basin has been operated under the management of the Watermaster since June 1961.

Appendix A contains the continuing history of Watermaster Service operations and the duties and functions of the Watermaster.

This report summarizes the Watermaster's work, conditions of groundwater supply, quantity of water used, and groundwater replenishment and includes a financial report for the 2001-2002 fiscal year.

There are three parts to the report: (1) Introduction, (2) Summary of Water Conditions and Operations, and (3) Details of Water Use and Operations. The third part contains the figures and tables on water supply, use, and replenishment and administration costs. The appendixes contain further backup data for these tables.



## II. SUMMARY OF WATER CONDITIONS AND OPERATIONS

Tables and figures referred to in the text are for fiscal year 2001-2002.

### Average Precipitation

- 3.65 inches, 29 percent of long-time average of 12.73 inches.

### West Coast Basin Wells

- 845 total: 72 active, 50 inactive, 214 injection, and 509 observation.

### Groundwater Level Elevations

- Generally, spring 2002 water levels were slightly higher (less than 10 feet) than spring of 2001 (Figure 7). Where water levels dropped, they were generally also small changes.

### Spreading Operations

- Los Angeles County Department of Public Works spread 111,799 acre-feet of Water (Table 4), 0.1 percent less than last fiscal year, in the Montebello Forebay area.

Water Quality - The following averages were compiled for 2001-2002.

#### Mean Values of Concentrations, in mg/L

<u>Quality Factor</u>	<u>Groundwater</u>	<u>Colorado River Water at Lake Mathews</u>	<u>State Water Project Water at Castaic Lake</u>
Chloride	77	73	76
Sulfate	14	228	55
Hardness (as CaCo3)	193	284	127
TDS	487	575	303

### Overextractions

- Six parties extracted a total of 159.13 acre-feet more than their allocation (Table 1).

### Imports

- 228,575 acre-feet were imported, excluding imports by one nonparty.
- Nonparty: California-American Water Company imported 1,934.90 acre-feet from Central Basin groundwater basin.

### Exports

- Southern California Water Company exported groundwater to portions of its service area lying west of the Palos Verdes Hills.

### Water Supply and Water Use Conditions

- In 2001-2002, total water use (including recycled water use) increased by 2 percent over the previous year.
- Groundwater extractions have averaged about 55,000 acre-feet since 1979-80.
- In 2001-2002, West Coast Basin Parties imported 228,575 acre-feet and extracted 47,962 acre-feet of Adjudicated Rights. Extractions were less than average because of in-lieu replenishments.
- The growing water demand has been met by supplemental sources, and the trend toward increasing imports continues.

### In-lieu Replenishment Program

- Five parties participated in the in-lieu program totaling 8,789.16 acre-feet (Table 9).

### Water Rights

- There were no requests for exchange pool water.
- There were 26 water right leases totaling 24,369.89 acre-feet.

On August 30, 2001, Los Angeles Superior Court Judge Robert H. O'Brien granted the motion of the Water Replenishment District of Southern California to intervene in the Judgment and declared that the Goldsworthy Desalter Project does not require an Adjudicated Right and will not cause any party's Adjudicated Right to be debited.

The Court ordered that the project may extract up to 3,300 acre-feet annually of saline water (groundwater containing greater than 1,000 parts per million chlorides) without first obtaining an Adjudicated Right and without said extractions being debited against the Adjudicated Rights of any party.

The Goldsworthy Desalter extracted 1,735.99 acre-feet from November 27, 2001 through June 2002. Chloride concentrations did not exceed 1,000 ppm and ranged from 620 ppm on November 27, 2001 to 870 ppm on June 4, 2002. The court granted a period of 135 days until June 25, 2002, during which the saline requirement did not apply and alternatives would be evaluated.

On June 24, 2002, Los Angeles Superior Court Judge Willhite extended the deadline to December 31, 2002 for meeting prescribed chloride concentration levels.

There were no transfers of water right ownership during the 2001-2002 fiscal year:

#### Nonparties and Parties with Zero Adjudicated Rights

- Nonparties: Carson Auto, Inc.
- One party with zero adjudicated rights extracted 4.17 acre-feet (it leased 12.10 af).

#### 2001-2002 Budget

- Tentative budget, mailed on June 4, 2001 became the final budget on July 1, 2001.
- Final approved budget is presented in Table 12.
- Parties are not billed for amounts less than \$3 or if their accounts are inactive for three or more years.

#### Oil Recovery and Basin Cleanup

- Atlantic Richfield Company has not produced water from its Southwest Tank Farm as part of its cleanup since 1990. Since April 1984, it has pumped and returned a total of 1,200.35 acre-feet of water.
- Chevron, USA operated an oil recovery and basin cleanup program at its El Segundo refinery.
- Mobil Oil Corporation pumped 1,505.20 acre-feet this year as part of a hydrocarbon clean-up program.
- California Water Service Company (Dominguez) pumped 718.53 acre-feet this year as part of the West Basin Desalter Project (Brewer Desalter).
- Water Replenishment District pumped 1,735.99 acre-feet at its Goldsworthy Desalter.

The following table summarizes pertinent data for fiscal years 2000-2001 and 2001-2002.

Item	Fiscal year 2000-2001	Fiscal year 2001-2002
Active pumps	24	24
Active nonparties	0	0
Adjudicated Rights, in acre-feet	64,468.25	64,468.25
Watermaster expenses, total	\$233,316	215,529
Watermaster expenses, per Adjudicated Right	\$3.62	\$3.34
Rainfall, in inches	15.55	3.65
Injection at barrier projects, in acre-feet (includes recycled water)	24,710	25,851
Extractions, in acre-feet*	51,851.78	51,922.07
Imports, in acre-feet**	226,964	228,575
Recycled water, in acre-feet	21,915	27,307
Exports, in acre-feet	0	0
Total water use (by parties), in acre-feet	300,730	307,804
* Includes water pumped for oil recovery production by Mobil Oil Corporation and Desalter production by California Water Service Company (Dominguez) and WRD Goldsworthy Desalter.		
** Includes barrier imports by Los Angeles County Department of Public Works.		

Tables 1, 2, and 3 and Figure 2 summarize and illustrate the Basin's operations for the fiscal year 2001-2002. The details of operations and the remaining tables and figures are given in the next section.

**TABLE 1. OVEREXTRACTIONS\***

In acre-feet

Party	(1) Adjudicated Right	(2) Allowable Extraction**	(3) Amount Pumped	(4) Overextraction (2) - (3)	(5) Allowable Overextraction #
A B C Nursery, Inc.	24.10	22.82	38.36	-15.54 ##	2.41
Hillside Memorial Park	68.70	-15.22	58.34	-73.56 ##	6.87
Pacific Crest Cemetery Co.	39.40	15.25	62.72	-47.47 ##	3.94
L. A. County Alondra Park	67.60	72.41	93.43	-0.23	6.77
L. A. County Sanitation District 2	102.00	215.07	236.41	-21.34 ##	10.20
L. A. County Chester Washington GC	296.00	316.58	296.78	-0.99	29.60
Total				-159.13	
** See Table 2 for derivation.					
# Computed as 2 acre-feet or 10 percent of Adjudicated Right, whichever is greater including carryover provisions. Party indicates it will eliminate overextractions by leasing water, buying from the Exchange Pool, reducing pumpage, or purchasing imported water.					
## Violation of Judgment.					

Table 2. ADJUDICATED WATER RIGHTS ACCOUNTING, FY 2001-2002 (acre-feet)

Party	Sales 2001-02	Adjudicated Right 2001-02	Carryover from 2000-01	Lease		Allowable Extraction	Amount Pumped	In-Lieu	Balance	Allowable Carryover into 2002-2003		
				With Flex	Without Flex					Drought	Normal	Total
A B C Nursery, Inc.		24.10	-1.28			22.82	38.36		-15.54		-15.54	-15.54
Allied-Signal, Inc (Torrance)		22.50	4.50			27.00	0.00		27.00		4.50	4.50
American Plant Growers, Inc		10.00	5.66	41.00		56.66	51.75		4.91		4.91	4.91
Asahi Fancy Koi, Inc		2.00	34.20			36.20	0.00		36.20	32.20	2.00	34.20
Atlantic Richfield Co		5,309.00	1,088.19	250.00		6,647.19	5,486.77		1,160.42		1,111.80	1,111.80
Automation Industries, Inc		0.70	5.40			6.10	0.00		6.10	3.40	2.00	5.40
Black, Dana		11.80	0.00			11.80	0.00		11.80		2.36	2.36
Brandsma, Maynard		11.80	0.00	-11.80		0.00	0.00		0.00		0.00	0.00
CBS, Inc.		9.50	2.00			11.50	0.00		11.50		2.00	2.00
California Water Service Co		4,070.00	814.00	-1,250.00	-100.00	3,534.00	1,300.28	1,694.04	539.68		539.68	539.68
California Water Service Co (Dominguez)		10,417.45	2,219.57	263.60	-1,008.00	11,892.62	6,067.54	3,637.56	2,187.52		2,136.21	2,136.21
California Water Service Co/Hawthorne Lease		0.00	376.40	657.00		1,033.40	465.19	425.28	142.93		131.40	131.40
Carson-Harbor Village Mobile Home Park		8.20	2.00			10.20	0.00		10.20		2.00	2.00
Carson-Madrona Co		104.00	20.80			124.80	0.00		124.80		20.80	20.80
Century Builders		4.70	2.00			6.70	0.00		6.70		2.00	2.00
Chandler Palos Verdes Sand & Gravel Co		294.20	46.84	-41.00		300.04	256.79		43.25		43.25	43.25
Chevron USA, Inc		4,601.30	2.00	-4,601.30		2.00	0.00		2.00		2.00	2.00
Churchill Downs California Co		282.00	0.00	-282.00		0.00	0.00		0.00		0.00	0.00
Coastline Church of Christ		0.70	5.40			6.10	0.00		6.10	3.40	2.00	5.40
Curtis, Owen W		0.36	4.72			5.08	0.00		5.08	2.72	2.00	4.72
Delaney, Golda, Estate of		4.10	12.20			16.30	0.00		16.30	10.20	2.00	12.20
Desser Enterprises		0.00	2.42	12.10		14.52	4.17		10.35		2.42	2.42
El Segundo, City of		953.00	190.60			1,143.60	0.00		1,143.60		190.60	190.60
Engelsma, Susan Trust		12.10	0.00	-12.10		0.00	0.00		0.00		0.00	0.00
Equilon Enterprises, LLC		3,432.00	1,015.15	1,482.00		5,929.15	5,100.65		828.50		828.50	828.50
Evergreen American Corp		5.40	2.00			7.40	0.00		7.40		2.00	2.00
Fujimoto, Samuel R + Steven T + Jon K		20.00	16.28			36.28	17.16		19.12	12.28	4.00	16.28
GATX Tank Storage Terminals Corp		167.00	0.40			167.40	0.00		167.40		33.40	33.40
Gillingham, Florence R, et al		2.40	2.00			4.40	0.00		4.40		2.00	2.00
Hawthorne, City of		1,882.00	0.00	-1,882.00		0.00	0.00		0.00		0.00	0.00
Hillside Memorial Park		68.70	-83.92			-15.22	58.34		-73.56		-73.56	-73.56
Honold, Kristin Brandsma		11.80	2.36			14.16	0.00		14.16		2.36	2.36
Hughes Aircraft Co		0.00	0.00			0.00	0.00		0.00		0.00	0.00
Inglewood, City of		4,449.89	1,021.90	592.60	1,052.51	7,116.90	6,126.35		990.55		990.55	990.55 a/
Inglewood Park Cemetery		0.00	2.00			2.00	0.00		2.00		2.00	2.00
Leuzinger, Emma L, Estate of		1.40	6.50			7.90	0.00		7.90	4.50	2.00	6.50
Lomita, City of Water System		1,352.00	2.00	-1,350.00		4.00	0.00		4.00		2.00	2.00
Long Beach, City of		0.70	2.00			2.70	0.00		2.70		2.00	2.00
Lopes, Frank		3.70	11.40			15.10	0.00		15.10	9.40	2.00	11.40
Los Angeles, City of		1,503.00	0.00			1,503.00	0.00	1,503.00	0.00		0.00	0.00
Los Angeles County Alondra Park		67.70	4.71			72.41	93.43		-21.02		-0.23	-0.23 b/
Los Angeles County Sanitation District 2		102.00	13.07		100.00	215.07	236.41		-21.34		-21.34	-21.34
Los Angeles County Chester Washington GC		296.00	20.58			316.58	296.78		19.80		-0.99	-0.99 b/
Loyola Marymount University		48.10	9.62			57.72	0.00		57.72		9.62	9.62
Manhattan Beach, City of		1,131.20	405.78	1,260.00		2,796.98	1,201.59	1,529.28	66.11		66.11	66.11
Mayflower Nurseries		0.00	1.95			1.95	0.00		1.95		1.95	1.95
McDonnell Douglas Corp		1.70	2.00			3.70	0.00		3.70		2.00	2.00



Table 2. ADJUDICATED WATER RIGHTS ACCOUNTING, FY 2001-2002 (acre-feet)

Party	Sales 2001-02	Adjudicated Right 2001-02	Carryover from 2000-01	Lease		Allowable Extraction	Amount Pumped	In-Lieu	Balance	Allowable Carryover into 2002-2003		
				With Flex	Without Flex					Drought	Normal	Total
Mobil Oil Corp		2,596.40	549.71			3,146.11	445.95		2,700.16	30.43	519.28	549.71
Mori, Roy H and Kenji		3.60	11.20			14.80	0.00		14.80	9.20	2.00	11.20
Northrop Corp		38.15	7.63			45.78	0.00		45.78		7.63	7.63
Nozaki, Sumikichi		7.00	2.00			9.00	0.00		9.00		2.00	2.00
Pacific Crest Cemetery Co		39.40	-24.15			15.25	62.72		-47.47		-47.47	-47.47
Palos Verdes Begonia Farm		0.00	7.40			7.40	0.00		7.40	7.40	0.00	7.40
Rehor, Josephine P		2.20	2.00			4.20	0.00		4.20		2.00	2.00
Rhodia, Inc		521.00	104.20			625.20	448.18		177.02		104.20	104.20
Rolling Hills Vista		0.00	2.00			2.00	0.00		2.00		2.00	2.00
Roman Catholic Archbishop of Los Angeles		72.30	14.46			86.76	84.85		1.91		1.91	1.91
Shell Oil Co		1,019.50	2.08			1,021.58	0.00		1,021.58	0.08	203.90	203.98
Southern California Edison Co		57.10	17.64		-45.00	29.74	23.09		6.65	6.22	0.43	6.65
Southern California Water Co		7,259.64	2,182.19	5,776.30		15,218.13	12,713.71		2,504.42		2,504.42	2,504.42
Thorpe, Terrence		11.80	0.00	-11.80		0.00	0.00		0.00		0.00	0.00
Torrance, City of		5,638.86	1,127.77	-650.00		6,116.63	2,234.61		3,882.02		997.77	997.77
Tosco Corp		6,170.00	2,021.78			8,191.78	5,147.68		3,044.10	787.78	1,234.00	2,021.78
Watson Land Co		80.20	16.04			96.24	0.00		96.24		16.04	16.04
Watt Industrial Properties		0.10	3.00			3.10	0.00		3.10	1.00	2.00	3.00
Western Water Service Co		242.60	5.39	-242.60	0.49	5.88	0.00		5.88	3.39	2.00	5.39 a/
Wiseburn School District		8.20	2.00			10.20	0.00		10.20		2.00	2.00
Zeigler, Maxwell T		0.00	2.00			2.00	0.00		2.00		2.00	2.00
West Coast Basin Parties Total	0.00	64,468.25	13,351.74	0.00	0.00	77,819.99	47,962.35	8,789.16	21,068.48	923.60	11,604.87	12,528.47

\* See Table 14 and Appendix B for information concerning leases, transfer of water right entitlements, or prior ownership. Includes lease with flex where applicable.

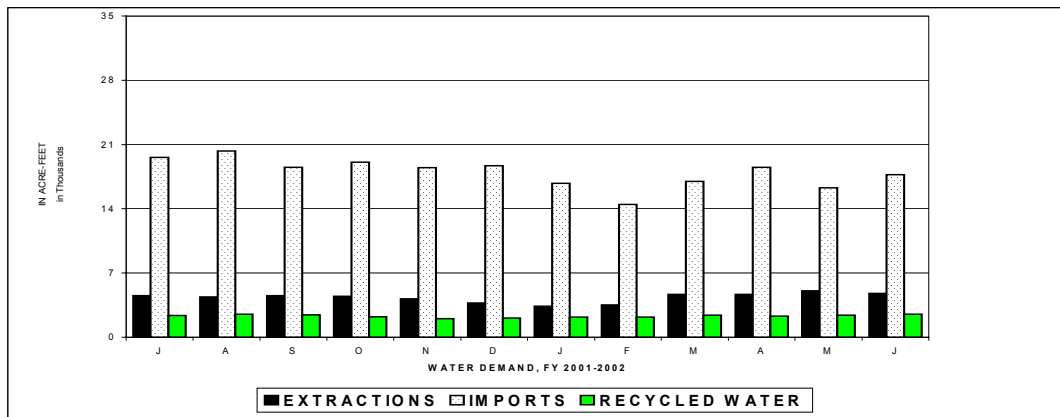
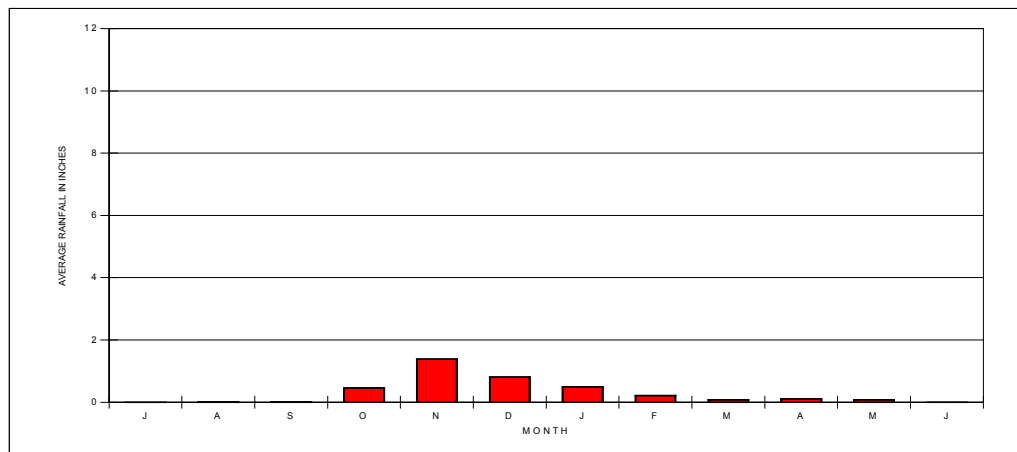
a/ Sales agreement between Western Water Service Co. and City of Inglewood.

b/ Los Angeles County accounts are combined when calculating carryover credit.

Non-parties												
Carson Auto, Inc		0.00				0.00	0.00					
Exempt												
Atlantic Richfield Co (Oil Recovery)		0.00				0.00	0.00					
California Water Service Co (Brewer Desalter)		0.00				0.00	718.53					
Mobil Oil Corp (Oil Recovery)		0.00				0.00	1,505.20					
Water Replenishment Dist. (Goldsworthy)		0.00				0.00	1,735.99					
						Total Pumped from Basin	51,922.07					

**TABLE 3. FY 2001-2002 INCOME AND EXPENDITURES**

Item	Parties	State	Total
<b><u>Income</u></b>			
From 2001-2002 billing	\$120,000	\$101,333	\$221,333
Balance from 2000-2001	-1,097	---	-1,097
From budget penalties	17	---	17
<b>Total income</b>	<b>\$118,920</b>	<b>\$101,333</b>	<b>\$220,253</b>
<b><u>Expenditures</u></b>			
Salaries and wages	\$41,914	\$41,914	\$83,828
Operating expenses			
Miscellaneous indirect costs*	\$65,558	\$65,558	131,116
Travel in State	\$292	\$293	585
Training	\$0	\$0	0
Printing*	\$0	\$0	0
Equipment	\$0	\$0	0
Other**	\$47	\$48	95
<b>Total Expenditures</b>	<b>\$107,811</b>	<b>\$107,813</b>	<b>\$215,624</b>
<b>Balance</b>	<b>\$11,109 ***</b>		
<p>* Rent, utilities, auto rental, communications, printing, retirement, employees' health plan, and workmen's compensation insurance.</p> <p>** General supplies, equipment rental, and engineering contracts.</p> <p>*** Carryover or deficit to parties in 2002-2003 fiscal year, subject to delayed charges or credits.</p>			



**Figure 2 - MONTHLY BASIN RAINFALL AND WATER DEMAND**

### III. DETAILS OF WATER USE AND OPERATIONS

Basin operations are reported in the following tables and figures.

#### Operations

Table 4 - Replenishment Operations (p. 13)

Table 5 - Barrier Operations (p. 13)

#### Precipitation

Figure 3 - Precipitation Stations and Barrier Projects (p. 14)

#### Exchange Pool

Table 6 - Exchange Pool Offers (p. 15)

Table 7 - Exchange Pool Requests (p. 15)

#### Water Use

Table 8 - Extractions by Nonparties and Parties with Zero Adjudicated Rights (p. 16)

Figure 4 - Pattern of Groundwater Production for July 2001 to June 2002 (p. 17)

Table 9 - Water Replenishment District In-lieu Program (p. 16)

Table 10 - Imported Water and Recycled Water (p. 18)

Plate 1 - Has been removed and is currently under revision

Plate 2 - Has been removed and is currently under revision

Table 11 - Gross Water Use (p. 19)

## Groundwater

- Figure 5 - Lines of Equal Water Level Elevation at Wells in the Silverado Aquifer, Fall 2001 (p. 20)
- Figure 6 - Lines of Equal Water Level Elevation at Wells in the Silverado Aquifer, Spring 2002 (p. 21)
- Figure 7 - Areas of Change in Water Level in the Silverado Aquifer, Spring 2001 to Spring 2002(p. 22)
- Figure 8 - Fluctuations of Water Level Elevations at Wells in Upper Pleistocene and Recent Aquifers (p. 27)
- Figure 9 - Fluctuations of Water Level Elevations at Wells in the Silverado Aquifer (p. 28)
- Figure 10 - Fluctuations of Water Level Elevations at Wells in the Merged Phases of Silverado and Lynwood Aquifers (p. 29)
- Figure 11 - Chloride Levels Silverado Aquifer, Fall 2001 (p. 30)
- Plate 3 - Locations of Wells (bound at back of report)

## Costs

- Table 12 - Approved Budget (p. 23)
- Table 13 - Apportionment of Parties' Share of Budget (p. 24)

## Water Rights

- Table 14 - Transfers of Adjudicated Rights (p. 25)

## Meter Testing Program

This year, 26 meter tests were performed, including several retests. One meter was 32.4 percent fast, two meters were 15.0 and 18.1 slow. Watermaster schedules all meters to be tested every two years.

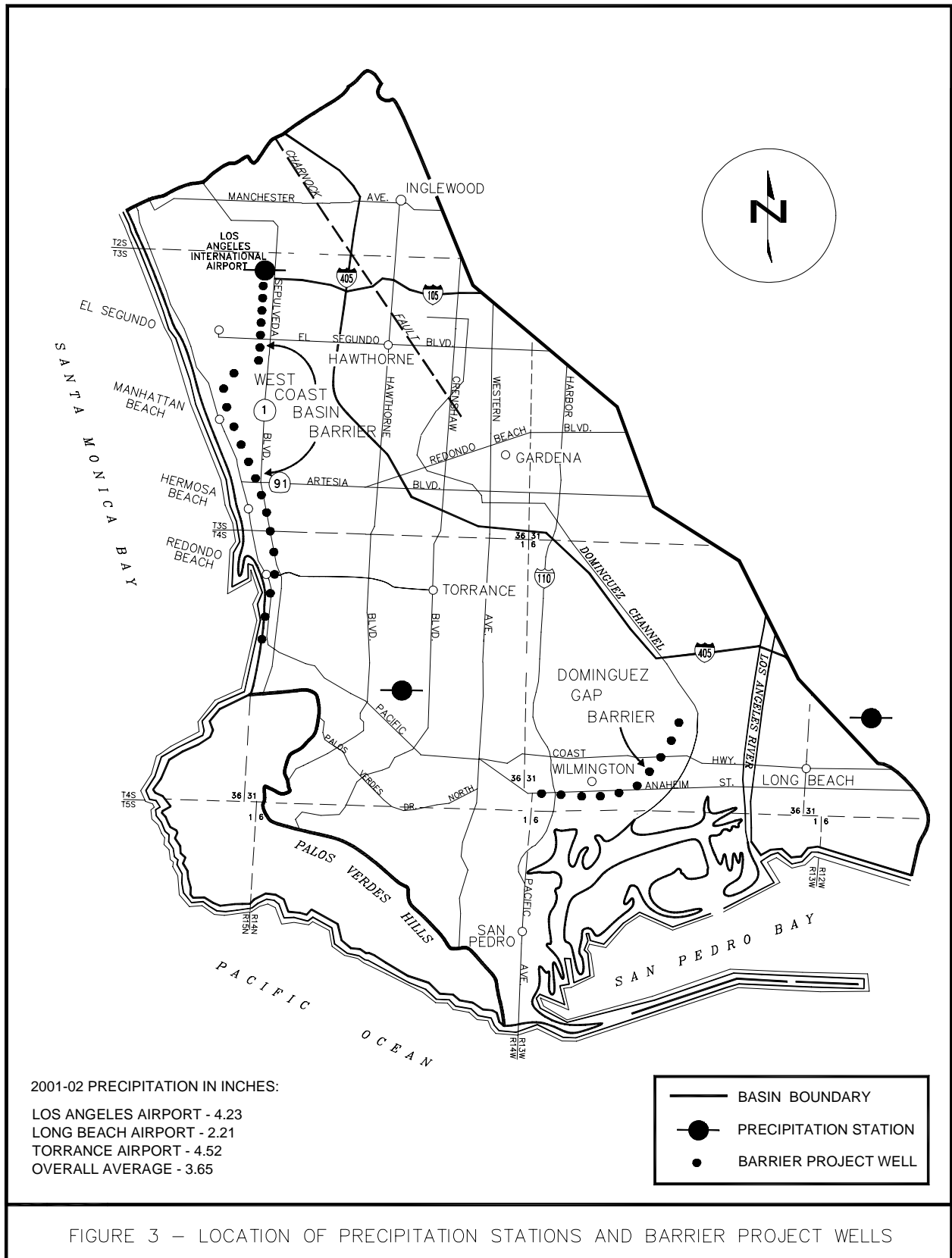
**TABLE 4. REPENISHMENT OPERATIONS \***

In acre-feet

Water Source	Quantity	
	2000-2001	2001-2002
Local runoff	46,062	12,229
Recycled water:		
Whittier Narrows WRP	7,444	9,017
San Jose WRP	31,894	47,013
Pomona WRP	3,050	2,272
MWD water purchased with WRD funds	23,451	41,268
Make-up water from Upper San Gabriel Basin	0	0
Total	111,901	111,799
<p>* Water spread in the Central Basin provides subsurface recharge to West Coast Basin. Provisional data provided by Los Angeles County Department of Public Works, as to amount actually spread in Montebello Forebay area.</p>		

**TABLE 5. BARRIER OPERATIONS**

Item	West Coast Basin Barrier	Dominguez Gap Barrier
Quantity injected, in acre-feet		
Imported	13,618	4,664
Recycled	7,569	---
Number of injection wells	153	61
Number of observation wells	296	213
Number of observation wells to be added during 2001-2003 fiscal years	0	12
Number of injection wells to be added during 2001-2003 fiscal years	0	33
Information provided by the Los Angeles County Department of Public Works.		



**TABLE 6. EXCHANGE POOL OFFERS**

Party	Amount in acre-feet		Price per Acre-Foot	Charge for Exchange Water
	Offered	Released		
<u>Mandatory Offers</u>				
Atlantic Richfield Co	*	0		
California Water Service Co		0		
California Water Service Co (Dominguez)		0		
CA Wtr Service Co/Hawthorne Lease		0		
Chevron USA, Inc		0		
Churchill Downs California Co		282	0	None
El Segundo, City of	*		0	
Equilon Enterprises, LLC		532	0	\$500
Inglewood, City of		0	0	
Lomita, City of Water System		0	0	
Long Beach, City of		0	0	
Los Angeles, City of		0	0	
Los Angeles County Alondra Park		0	0	
Los Angeles County Chester Washington Golf Course		96	0	None
Los Angeles County Sanitation District 2		0	0	
Manhattan Beach, City of		0	0	
Mobil Oil Corp	*		0	
Rhodia, Inc	*		0	
Shell Oil Co	*		0	
Southern California Water Co		0	0	
Torrance, City of	*		0	
Tosco Corp	*		0	
Total		910	0	\$0.00
<u>Voluntary Offers</u>				
California Water Service Co		1,000	0	\$528
California Water Service Co (Dominguez)		1,000	0	\$528
CA Wtr Service Co./Hawthorne Lease		1,000	0	\$528
Long Beach, City of		2	0	\$250
Loyola Marymount University		50	0	\$100
Southern California Water Co		1,451	0	\$528
Wiseburn School District		10	0	\$100
Total		4,513	0	\$0.00
* Exchange Pool forms not received by Watermaster				

**TABLE 7. EXCHANGE POOL REQUESTS**

Party	Amount of Water Received in acre-feet	Cost of Exchange Water
None		

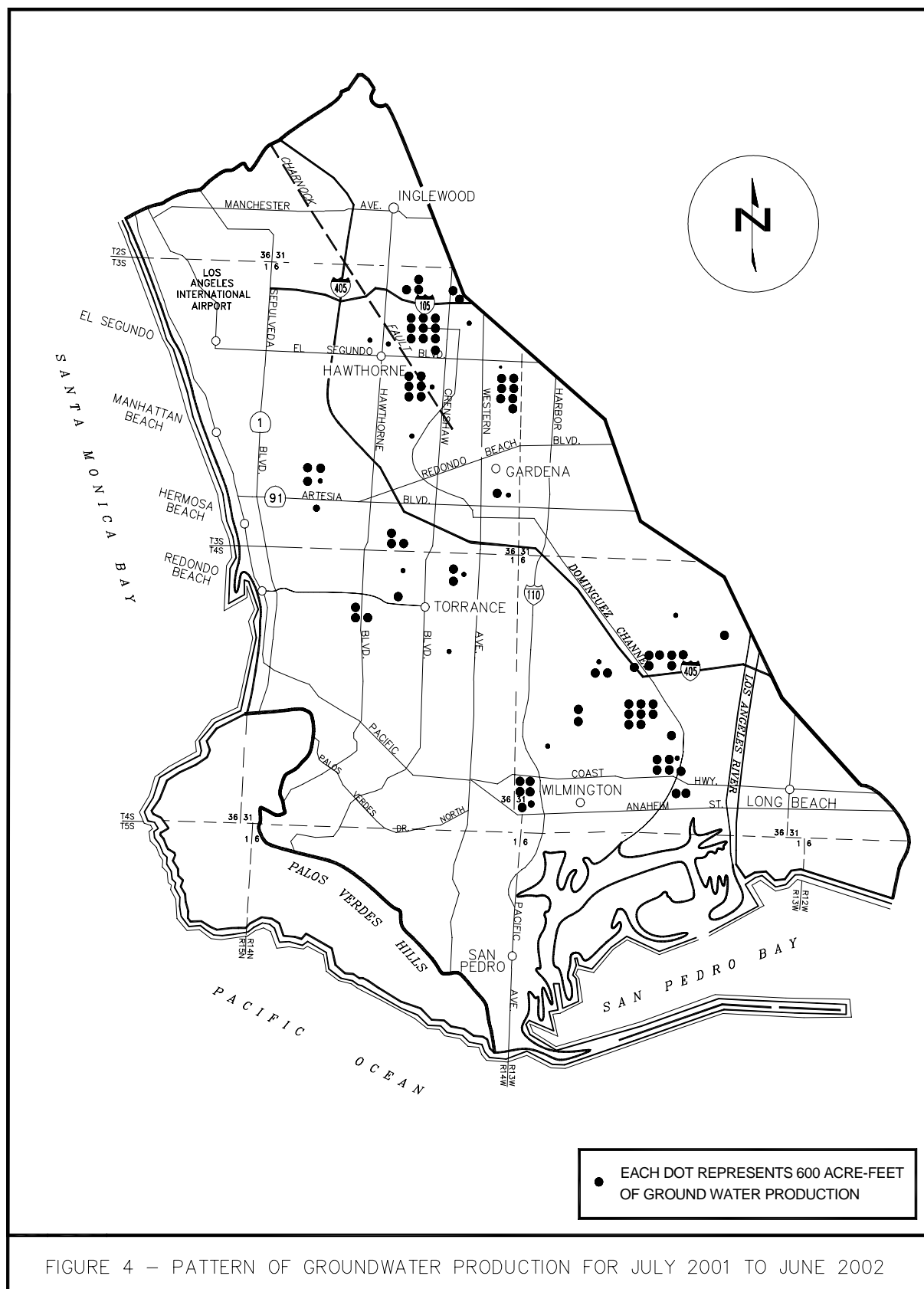


**TABLE 8. EXTRACTIONS BY NONPARTIES AND PARTIES  
WITH ZERO ADJUDICATED RIGHTS**

Pumper	State Well Number	Amount Pumped in acre-feet
<u>Nonparties</u>		
Carson Auto, Inc	04S/13W-15K05S	0.00
Total		0.00
<u>Parties with Zero Adjudicated Rights</u>		
Desser Enterprises	04S/13W-15Q01S	4.17 *
Hughes Aircraft Co	04S/14W-22L02S	0.00
Inglewood Park Cemetery	04S/14W-27M01S	0.00
Inglewood Park Cemetery	04S/14W-27N02S	0.00
Inglewood Park Cemetery	04S/14W-27N03S	0.00
Mayflower Nurseries	04S/14W-25K06S	0.00
Palos Verdes Begonia Farm	04S/14W-21N01S	0.00
Rolling Hills Vista	04S/14W-28J01S	0.00
Zeigler, Maxwell T	04S/13W-31M01S	0.00
Total		4.17
* Party leased rights sufficient to cover extractions.		

**TABLE 9. WATER REPLENISHMENT DISTRICT IN-LIEU PROGRAM**  
In acre-feet

Party	In-lieu Amount Reserved
California Water Service Co	1694.04
California Water Service Co (Dominguez)	3637.56
California Water Service Co/Hawthorne Lease	425.28
Los Angeles, City of	1503.00
Manhattan Beach, City of	1529.28
Total	8,789.16



**TABLE 10. IMPORTED WATER AND RECYCLED WATER \***

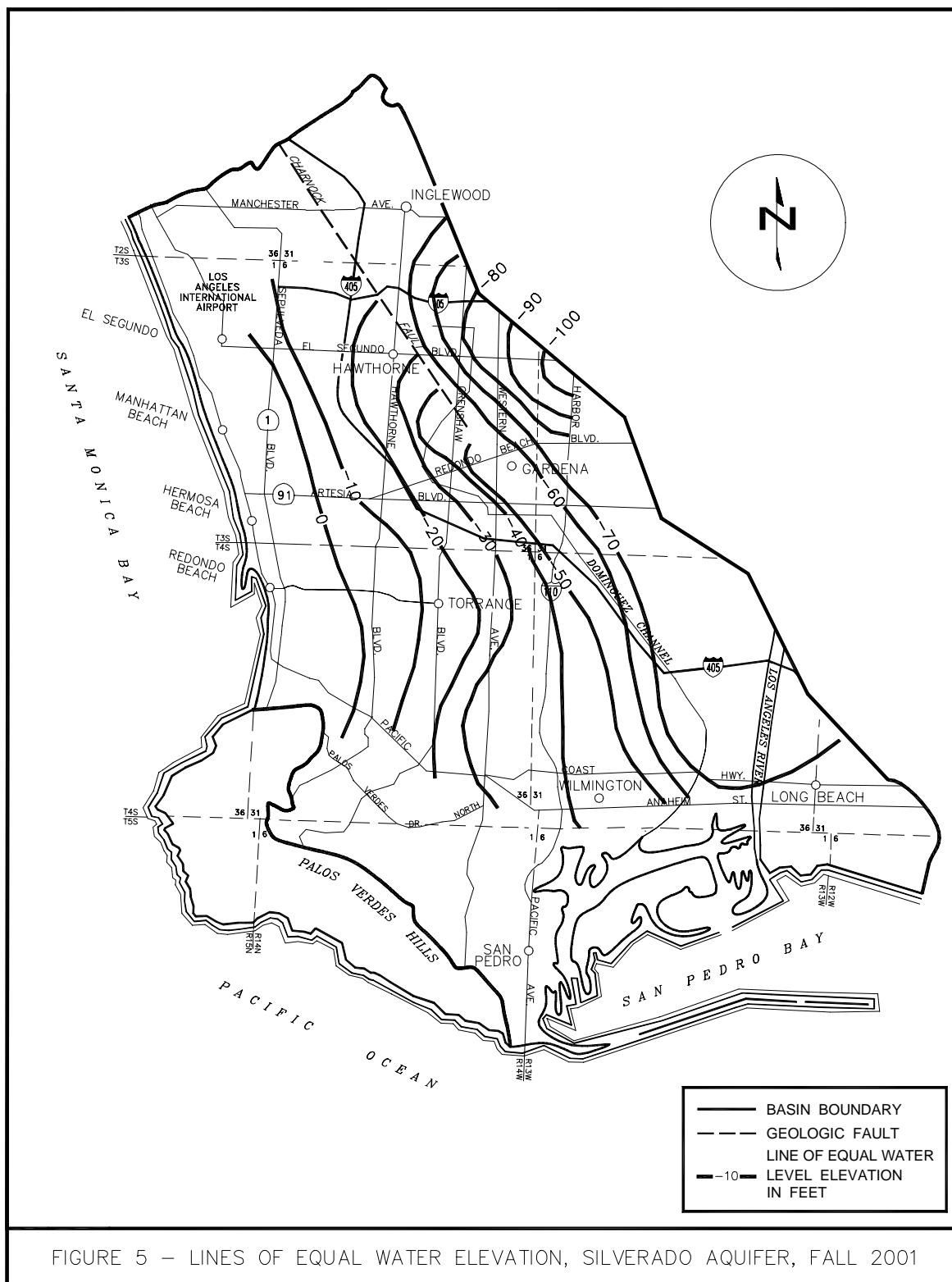
In acre-feet

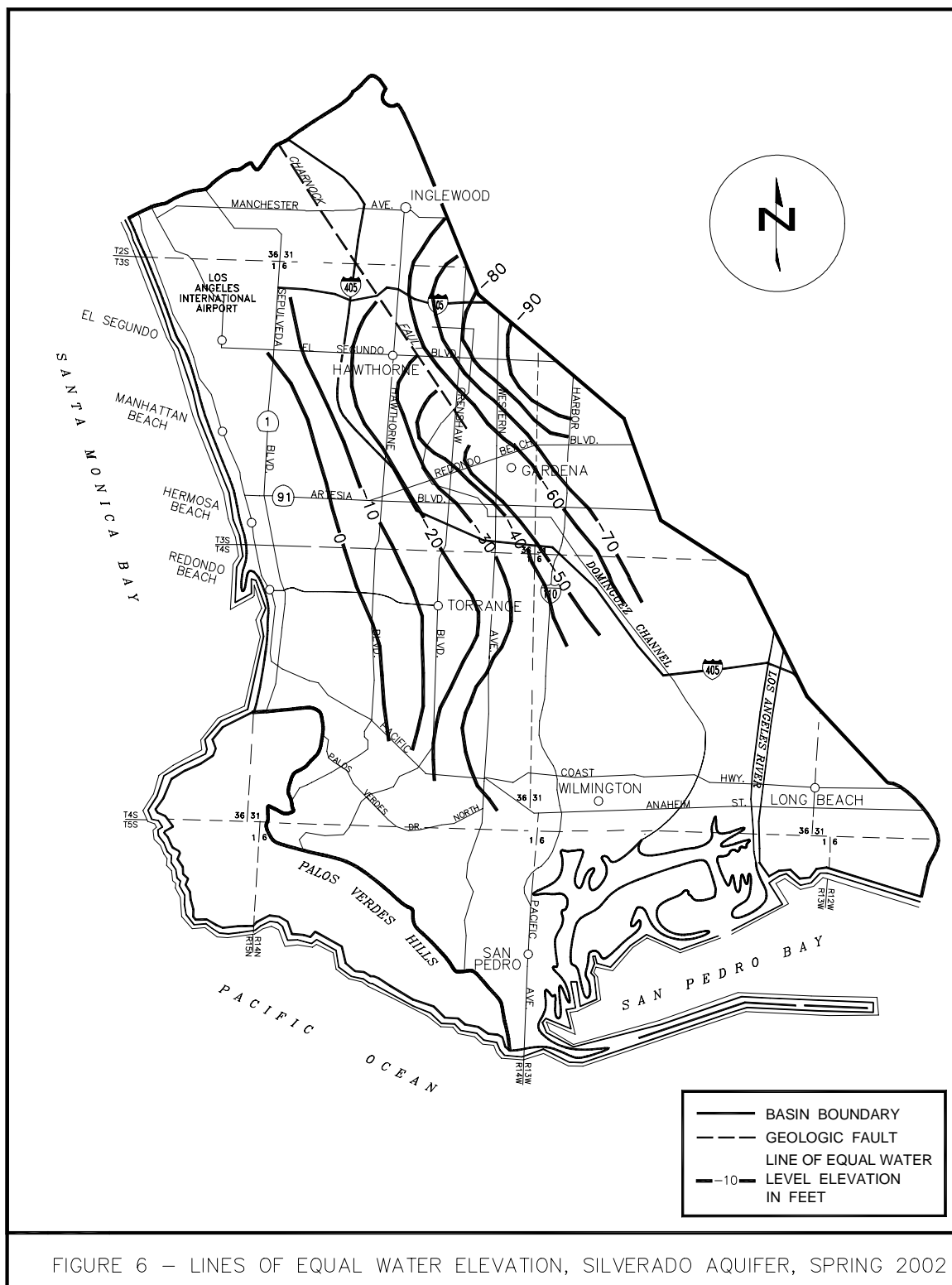
Source of water	Water Purveyor	Quantity	
		2000-2001	2001-2002
<b><u>Imported Water</u></b>			
Colorado River, State Water Project Water and Central Basin groundwater	<b>Long Beach, City of</b>	42,928	45,037
Colorado River and State Water Project water	<b>West Basin Municipal Water District:</b>		
	California Water Service Company (Hermosa/Redondo)***	12,662	14,432
	California Water Service Company (Dominguez)	21,526	24,942
	El Segundo, City of	14,528	9,331
	Hawthorne, City of (California Water Lease)	4,031	4,473
	Inglewood, City of	6,449	5,578
	Lomita, City of	2,725	2,752
	Los Angeles County Department of Public Works **	19,058	18,124
	Los Angeles County Waterworks District No. 29	9,359	9,720
	Manhattan Beach, City of	5,537	5,582
	Southern California Water Company	28,925	26,828
	West Basin MWD Subtotal	124,800	121,762
Colorado River and State Water Project water	<b>Torrance, City of</b>	20,936	22,817
Owens River-Mono Basin, Colorado River and State Water Project water	<b>Los Angeles, City of</b>	38,300	38,959
	<b>Total Imported Water</b>	226,964	228,575
<b><u>Recycled Water</u></b>			
	<b>West Basin Municipal Water District:</b>		
	California Water Service	133	130
	California Water Service (Hawthorne Lease)	90	102
	California Water Service Company (Dominguez)	3,297	3,165
	El Segundo, City of	3,542	7,632
	Inglewood, City of	622	707
	Inglewood Unified School District	24	31
	Los Angeles Department of Water and Power	296	342
	Manhattan Beach, City of	272	307
	Southern California Water Company	236	281
	Torrance, City of	6,650	7,320
	Water Replenishment District **	6,753	7,290
	<b>Total Recycled Water</b>	21,915	27,307
* Does not include nonparty imports			
** West Coast Basin and Dominguez Gap Barrier Projects			
*** Palos Verdes is not in Watermaster Service Area.			

**TABLE 11. GROSS WATER USE**  
In acre-feet

Party	Total Groundwater Extractions	Purchased Supply		Recycled Water	Total Water Use
		Imported*	Within Basin**		
A B C Nursery, Inc.	38.36				38.36
Allied-Signal, Inc (Torrance)	0.00				0.00
American Plant Growers, Inc.	51.75				51.75
Asahi Fancy Koi, Inc.	0.00				0.00
Atlantic Richfield Company	5,486.77		7,166.98		12,653.75
Black, Dana	0.00				0.00
Brandsma, Maynard	0.00				0.00
CBS, Inc.	0.00				0.00
California-American Water Co. (nonparty)	0.00	1,934.90			1,934.90
California Water Service Company	1,300.28	14,431.70		130.38	15,862.36
California Water Service (Hawthorne Lease)	465.19	4,473.30		102.20	5,040.69
California Water Service Company (Dominguez)	6,067.54	24,942.30		3,165.26	34,175.10
Carson-Harbor Village Mobile Home Park	0.00				0.00
Carson-Madrona Company	0.00				0.00
Century Builders	0.00				0.00
Chandler Palos Verdes Sand/Gravel	256.79				256.79
Chevron U S A, Inc.	0.00				0.00
Coastline Church of Christ	0.00				0.00
Curtis, Owen W.	0.00				0.00
Delaney, Golda, Estate of	0.00				0.00
Desser Enterprises	4.17				4.17
El Segundo, City of	0.00	9,331.17		7,632.14	16,963.31
Englesma, Susan Trust	0.00				0.00
Equilon Enterprises, LLC	5,100.65		671.94		5,772.59
Evergreen American Corporation	0.00				0.00
Fujimoto, SR, St, JK	17.16				17.16
GATX Tank Storage Terminals Corp	0.00				0.00
Gillingham, Florence R. et al	0.00				0.00
Hillside Memorial Park	58.34		50.00 E		108.34
Hollywood Park Operating Company	0.00				0.00
Honold, Kristin Brandsma	0.00				0.00
Hughes Aircraft Company	0.00				0.00
Inglewood, City of	6,126.35	5,578.30		706.74	12,411.39
Inglewood Park Cemetery	0.00				0.00
Leuzinger, Emma L., Estate of	0.00				0.00
Lomita, City of Water System	0.00	2,725.40			2,725.40
Long Beach, City of	0.00	45,037.00			45,037.00
Lopes, Frank	0.00				0.00
Los Angeles, City of Department of Water and Power	0.00	38,959.00		342.41	39,301.41
Los Angeles County Alondra Park	93.43				93.43
Los Angeles County Chester Washington Golf	296.78				296.78
Los Angeles County Sanitation Dist 2	236.41		347.02		583.43
Los Angeles County Waterworks Dist 29	0.00	9,720.40			9,720.40
Loyola Marymount University	0.00				0.00
Manhattan Beach, City of	1,201.59	5,582.20		306.69	7,090.48
Mayflower Nurseries	0.00				0.00
McDonnell Douglas Corporation	0.00				0.00
Mobil Oil Corporation	445.95				445.95
Mori, Roy H and Kenji	0.00				0.00
Northrop Corporation	0.00				0.00
Nozaki, Sumikichi	0.00				0.00
Pacific Crest Cemetery Company	62.72				62.72
Palos Verdes Begonia Farm	0.00				0.00
Rehor, Josephine P	0.00				0.00
Rhodia, Inc.	448.18		1,931.03		2,379.21
Rolling Hills Vista	0.00				0.00
Roman Catholic Archbishop of LA	84.85				84.85
Signal Hill, City of (nonparty)	0.00				0.00
Southern California Edison Co.	23.09				23.09
Southern California Water Co.	12,713.71	26,828.30		281.22	39,823.23
Thorpe, Terrence	0.00				0.00
Torrance, City of	2,234.61	22,817.00		7,319.91	32,371.52
Torrance, City of (Mobil)				6,558.07	6,558.07
Tosco Corporation	5,147.68		4,316.31		9,463.99
Watson Land Company	0.00		50.00 E		50.00
Watt Industrial Properties	0.00				0.00
Western Water Service Company	0.00				0.00
Wiseburn School District	0.00				0.00
Zeigler, Maxwell T.	0.00				0.00
	47,962.35	212,360.97	14,533.28	26,545.02	301,401.62

\* Import from MWD or member agency.  
 \*\* Purchased from municipal, mutual, or public utility water agency.  
 E Estimated value





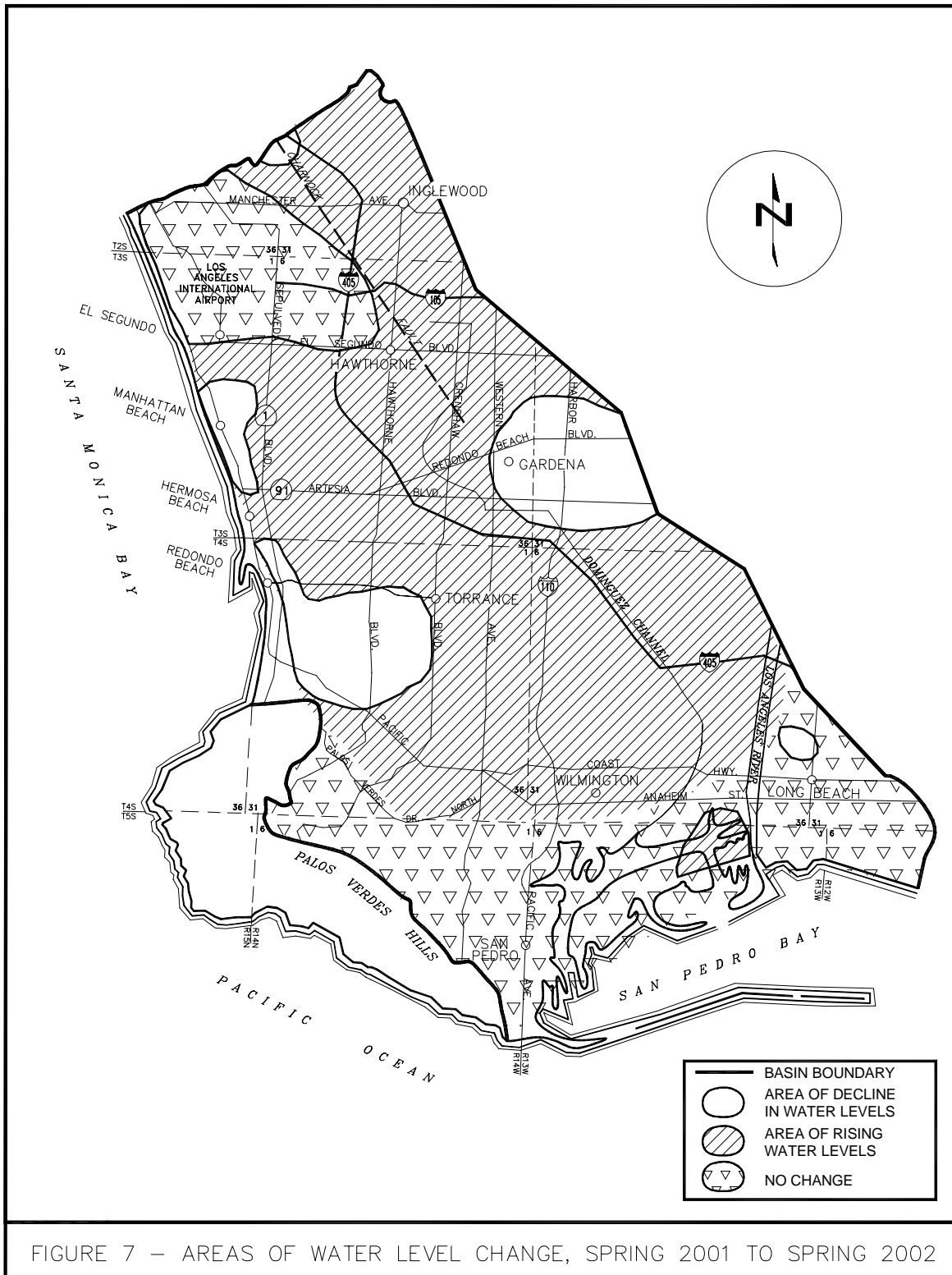


FIGURE 7 – AREAS OF WATER LEVEL CHANGE, SPRING 2001 TO SPRING 2002

**TABLE 12. APPROVED BUDGET**

Total budget	\$229,990.00	
One-half payable by State	\$114,995.00 **	
One-half payable by parties		\$114,995.00
Actual carryover from previous year		5,005.00
(+) deficit, (-) credit		<hr/>
Total amount to be billed		\$120,000.00
* Reflects Budget reduction during FY 01-02.		
** Final Watermaster budget was adopted July 1, 2001. California state budget for Watermaster program was reduced in early 2002 due to shortfall in state General Fund revenues.		



**TABLE 13. APPORTIONMENT OF PARTIES' SHARE OF BUDGET**

Party Name	Adjudicated Right (In acre-feet)	Apportionment Paid
A B C NURSERY, INC	24.10	45.10
AMERICAN PLANT GROWERS	10.00	18.72
ATLANTIC RICHFIELD COMPANY	5,309.00	9,936.05
BLACK, DANA	11.80	22.08
BRANDSMA, MAYNARD	11.80	22.08
CALIFORNIA WATER SERVICE COMPANY	4,070.00	7,617.20
CA. WATER SERVICE CO. (DOMINGUEZ)	10,417.45	19,496.76
CHANDLER PALOS VERDES SAN/GRAV CO	294.20	550.61
CHEVRON USA INC	4,601.30	8,611.55
CHURCHILL DOWNS CALIFORNIA COMPANY	282.00	527.78
EL SEGUNDO, CITY OF	953.00	1,783.59
ENGELSMA, SUSAN TRUST	12.10	22.65
EQUILON ENTERPRISES, LLC	3,432.00	6,423.15
FUJIMOTO, S.R. & S.T. & J.K.	20.00	37.43
GATX TANK STORAGE TERMINALS CORP.	167.00	328.18 *
FLORENCE GILLINGHAM	2.40	4.49
HAWTHORNE, CITY OF	1,882.00	3,522.25
HILLSIDE MEMORIAL PARK	68.70	128.58
HONOLD, KRISTIN BRANDSMA	11.80	23.18 *
INGLEWOOD, CITY OF	4,449.89	8,328.18
LOMITA, CITY OF WATER SYSTEM	1,352.00	2,530.33
LOS ANGELES, CITY OF D W P	1,503.00	2,812.94
LOS ANGELES COUNTY ALONDRA PARK	67.70	126.70
LA COUNTY, CHESTER WASHINGTON GOLF	296.00	553.98
LOS ANGELES COUNTY SANITN DIST 2	102.00	190.90
MANHATTAN BEACH, CITY OF	1,131.20	2,117.10
MOBIL OIL CORPORATION	2,596.40	4,859.29
NOSAKI SUMIKICHI	7.00	13.10
PACIFIC CREST CEMETERY COMPANY	39.40	73.74
RHODIA INCORPORATED	521.00	975.08
ROMAN CATHOLIC ARCHBISHOP OF L A	72.30	135.31
SHELL OIL COMPANY	1,019.50	1,908.04
SOUTHERN CALIFORNIA EDISON CO	57.10	106.87
SOUTHERN CALIFORNIA WATER COMPANY	7,259.64	13,586.77
THORPE, TERRENCE	11.80	22.08
TORRANCE, CITY OF	5,638.86	10,553.40
TOSCO CORPORATION	6,170.00	11,547.45
WESTERN WATER COMPANY	242.60	454.04
Total	64,118.04	120,016.73
* A total of \$16.73 was collected for late payments. Inactive parties are exempt from Watermaster Service costs.		

TABLE 14. TRANSFERS OF ADJUDICATED RIGHTS

Party	Transaction *	Amount in acre-feet	Date	Party	
American Plant Growers, Inc	Lease with flex	41.00	06/01/02	From	Chandler Palos Verdes Sand/Gravel
Atlantic Richfield Co	Lease with flex	250.00	06/20/02	From	CA Wtr Serv Co (Dominguez)
Brandsma, Maynard	Lease with flex	-11.80	08/13/01	To	CA Wtr Serv Co (Dominguez)
California Water Service Co	Lease with flex	-500.00	08/03/01	To	Equilon Enterprises, LLC
	Lease	-100.00	09/11/01	To	Los Angeles County Sanitn District 2
	Lease with flex	-750.00	06/21/02	To	Southern California Water Co
CA Wtr Serv Co (Dominguez)	Lease	-1,008.00	09/28/98	To	Western Water Service Co <u>a/</u>
	Lease with flex	11.80	08/04/01	From	Thorpe, Terrence
	Lease with flex	11.80	08/13/01	From	Brandsma, Maynard
	Lease with flex	-250.00	06/20/02	To	Atlantic Richfield Co
	Lease with flex	-850.00	06/21/02	To	Southern California Water Co
	Lease with flex	650.00	06/26/02	From	Torrance, City of
	Lease with flex	400.00	06/27/02	From	Inglewood, City of
	Lease with flex	290.00	None	From	Lomita, City of Water System
CA Wtr Serv Co (Hawthorne Lease)	Lease with flex	1,882.00	02/27/96	From	Hawthorne, City of <u>b/</u>
	Lease with flex	-700.00	06/20/02	To	Equilon Enterprises, LLC
	Lease with flex	-525.00	06/21/02	To	Southern California Water Co
Chandler Palos Verdes Sand and Gravel Co	Lease with flex	-41.00	06/01/02	To	American Plant Growers, Inc
Chevron USA, Inc	Lease with flex	-3,651.30	08/27/98	To	Southern California Water Co <u>c/</u>
	Lease with flex	-250.00	08/27/98	To	Western Water Service Co <u>d/</u>
	Lease with flex	-700.00	03/13/01	To	Manhattan Beach, City of <u>e/</u>
Churchill Downs California Co	Lease with flex	-282.00	06/13/01	To	Equilon Enterprises, LLC
Desser Enterprises	Lease with flex	12.10	07/01/95	From	Engelsma, Susan Trust <u>f/</u>
Engelsma, Susan Trust	Lease with flex	-12.10	07/01/95	To	Desser Enterprises <u>f/</u>
Equilon Enterprises, LLC	Lease with flex	282.00	06/13/01	From	Churchill Downs California Co
	Lease with flex	500.00	08/03/01	From	California Water Service Co
	Lease with flex	700.00	06/20/02	From	CA Wtr Serv Co/Hawthorne Lease
Hawthorne, City of	Lease with flex	-1,882.00	02/27/96	To	CA Wtr Serv Co/Hawthorne Lease <u>b/</u>
Inglewood, City of	Lease with flex	-4,449.89	09/30/98	To	Western Water Service Co <u>g/</u>
	Lease with flex	4,942.49	11/08/99	From	Western Water Service Co <u>h/</u>
	Lease	1,007.51	11/08/99	From	Western Water Service Co <u>i/</u>

TABLE 14. TRANSFERS OF ADJUDICATED RIGHTS

Party	Transaction *	Amount in acre-feet	Date	Party	
Lomita, City of Water System	Lease	45.00	01/10/02	From	Southern California Edison Co
	Lease with flex	500.00	01/29/02	From	Lomita, City of Water System
	Lease with flex	-400.00	06/27/02	To	CA Wtr Serv Co (Dominguez)
	Lease with flex	-500.00	01/29/02	To	Inglewood, City of
	Lease with flex	-290.00	None	To	CA Wtr Serv Co (Dominguez)
	Lease with flex	-560.00	None	To	Manhattan Beach, City of
Los Angeles County Sanitn District 2	Lease	100.00	09/11/01	From	California Water Service Co
Manhattan Beach, City of	Lease with flex	700.00	03/13/01	From	Chevron USA, Inc <u>e/</u>
	Lease with flex	560.00	None	From	Lomita, City of Water System
Southern California Edison Co	Lease	-45.00	01/10/02	To	Inglewood, City of
Southern California Water Co	Lease with flex	3,651.30	08/27/98	From	Chevron USA, Inc <u>c/</u>
	Lease with flex	750.00	06/21/02	From	California Water Service Co
	Lease with flex	850.00	06/21/02	From	CA Wtr Serv Co (Dominguez)
	Lease with flex	525.00	06/21/02	From	CA Wtr Serv Co/Hawthorne Lease
Thorpe, Terrence	Lease with flex	-11.80	08/04/01	To	CA Wtr Serv Co (Dominguez)
Torrance, City of	Lease with flex	-650.00	06/26/02	To	CA Wtr Serv Co (Dominguez)
Western Water Service Co	Lease with flex	250.00	08/27/98	From	Chevron USA, Inc <u>d/</u>
	Lease	1,008.00	09/28/98	From	CA Wtr Serv Co (Dominguez) <u>a/</u>
	Lease with flex	4,449.89	09/30/98	From	Inglewood, City of <u>g/</u>
	Lease with flex	-4,942.49	11/08/99	To	Inglewood, City of <u>h/</u>
	Lease	-1,007.51	11/08/99	To	Inglewood, City of <u>i/</u>
Total		0.00	0.00		

\* Lease with flex: carryover provisions included with lease.

a/ Long-term lease, 1998-2003 (1,008.00 acre-feet) between Dominguez Water Corp (original licensee) and Western Water Service Co (licensor). Dominguez Water Corp became known as Dominguez Water Co then later merged with and into California Water Service Co with "Dominguez" kept as a separate account known as California Water Service Co (Dominguez).

b/ Long-term lease, 1995-2010 (1,882.00 acre-feet)

c/ Long-term lease, 1998-2013 (3,651.30 acre-feet)

d/ Long-term lease, 1998-2013 (250.00 acre-feet)

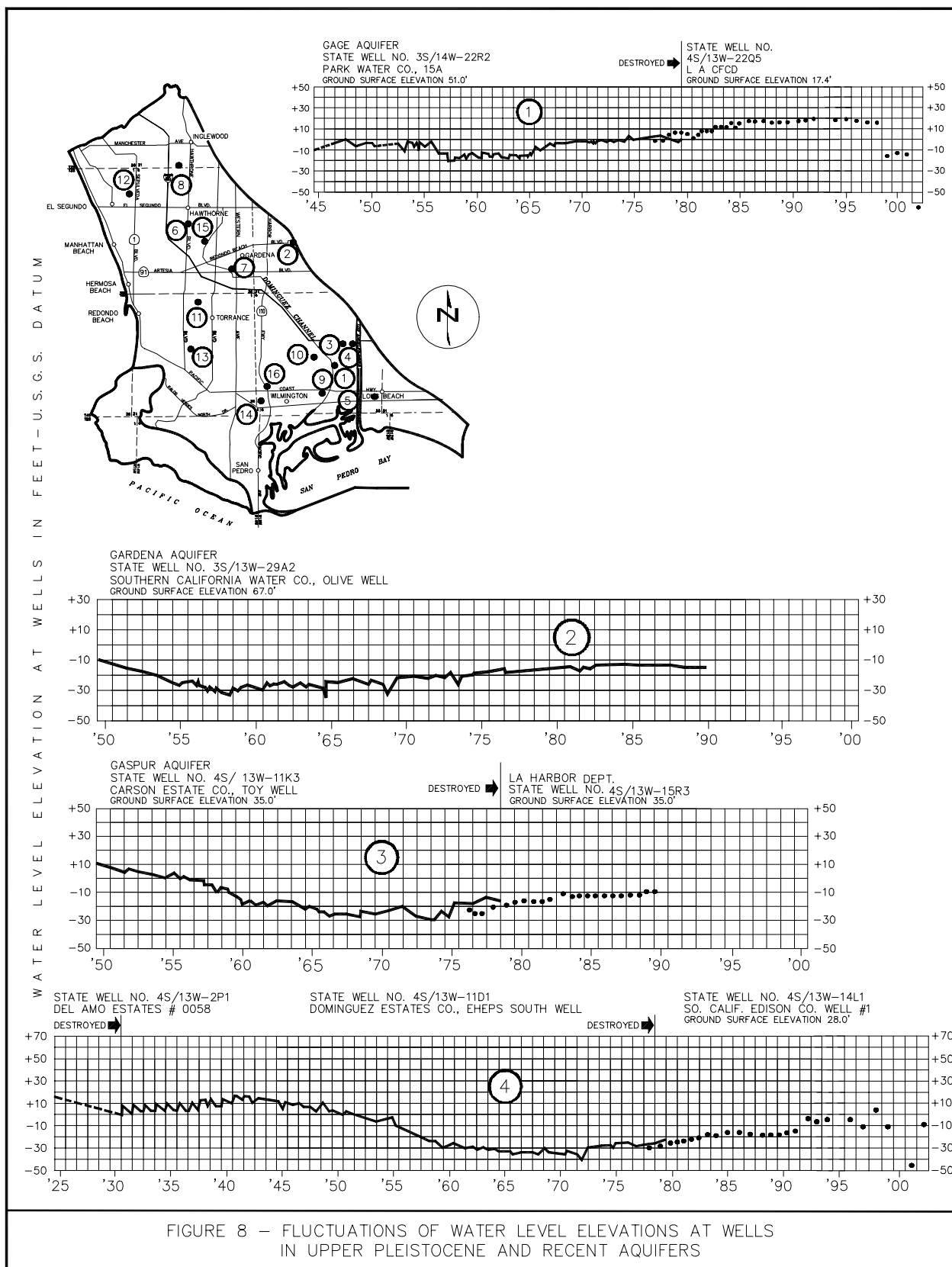
e/ Long-term lease, 2000-2002 (700 acre-feet)

f/ Long-term lease, 1995-2005 (12.10 acre-feet)

g/ Long-term lease, 1999-2003 (4,449.89 acre-feet)

h/ Long-term lease, 1999-2003 (4,942.49 acre-feet)

i/ Long-term lease, 1999-2003 (1,007.51 acre-feet)



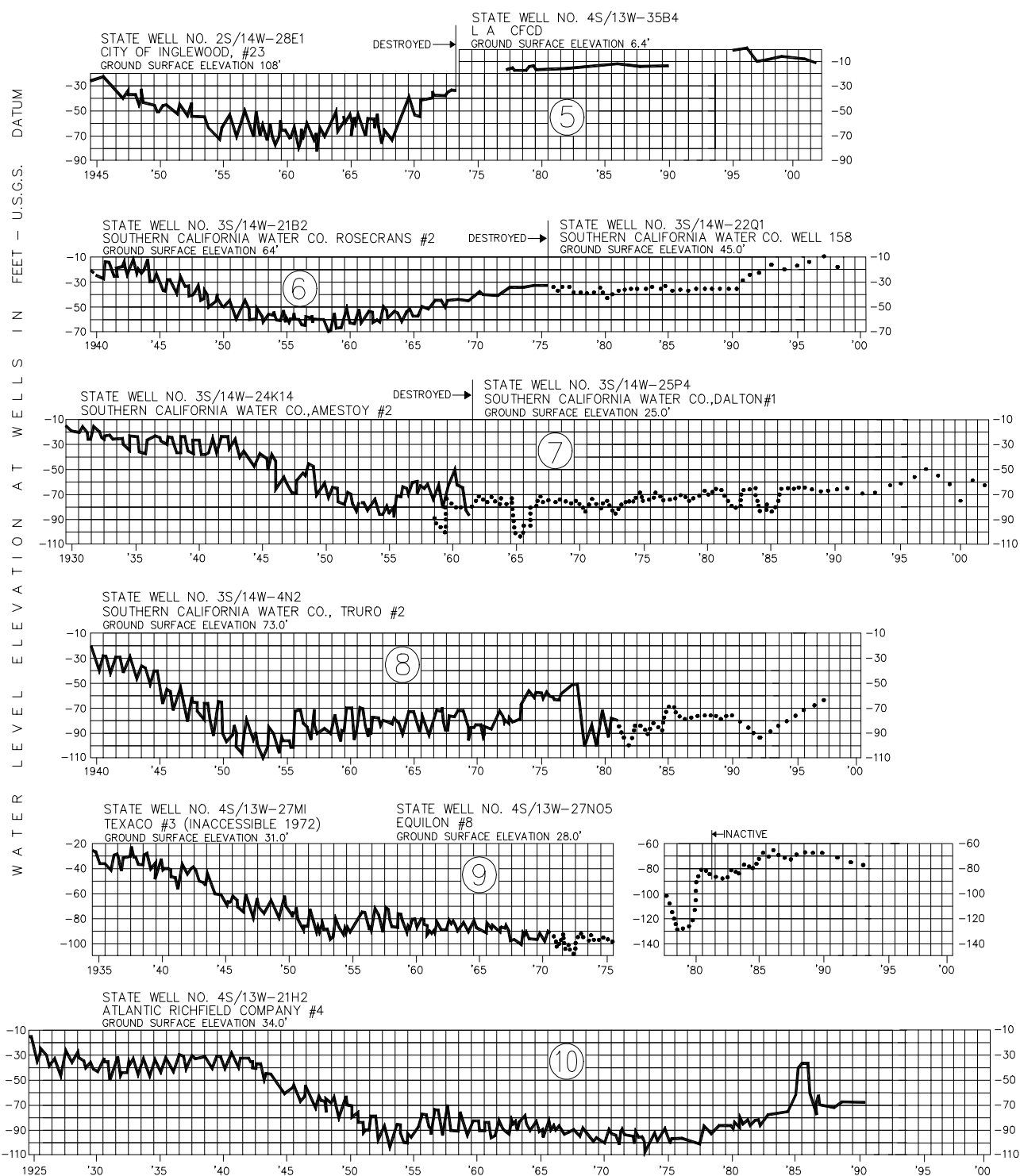
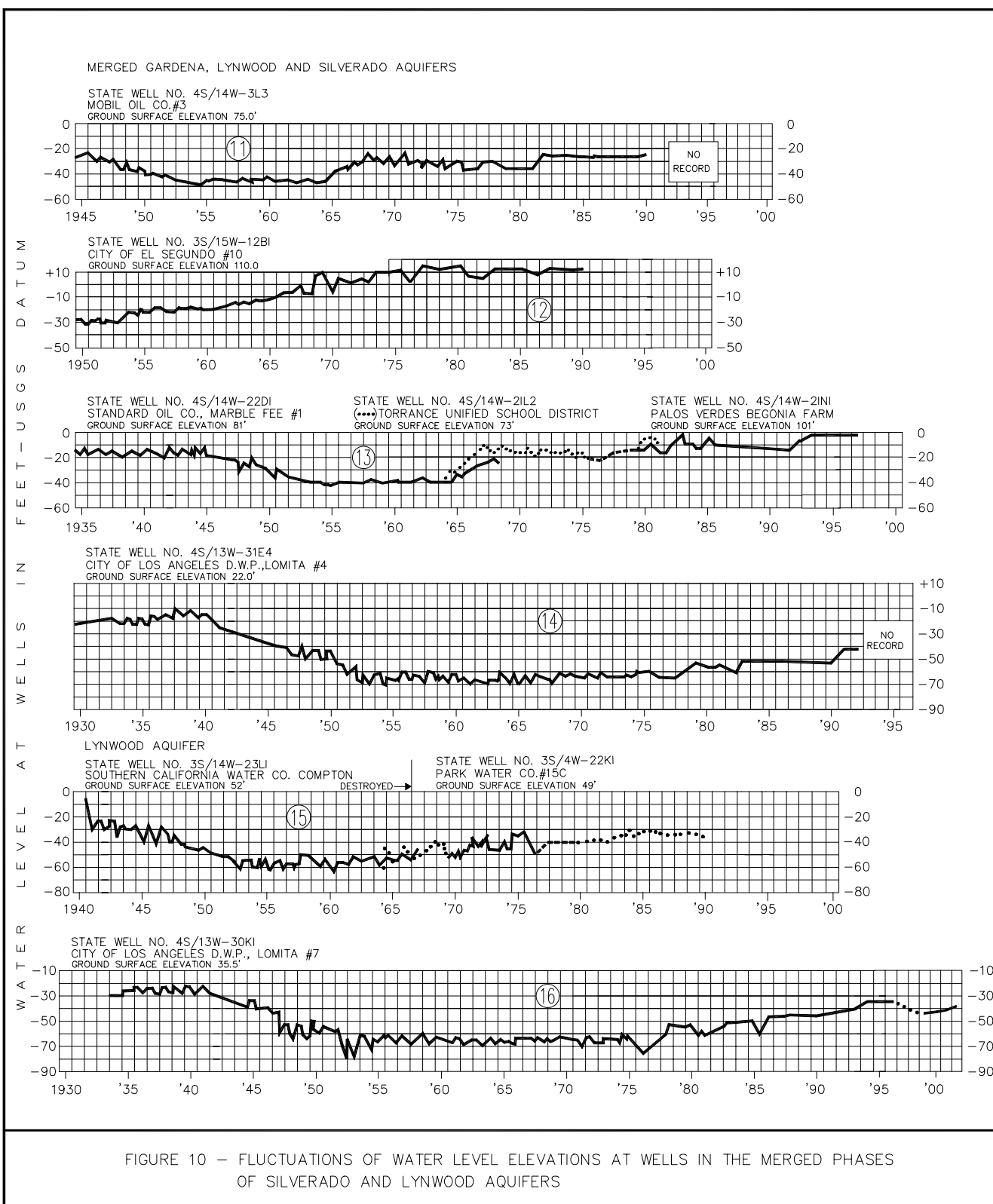


FIGURE 9 — FLUCTUATIONS OF WATER LEVEL ELEVATIONS AT WELLS IN THE SILVERADO AQUIFER



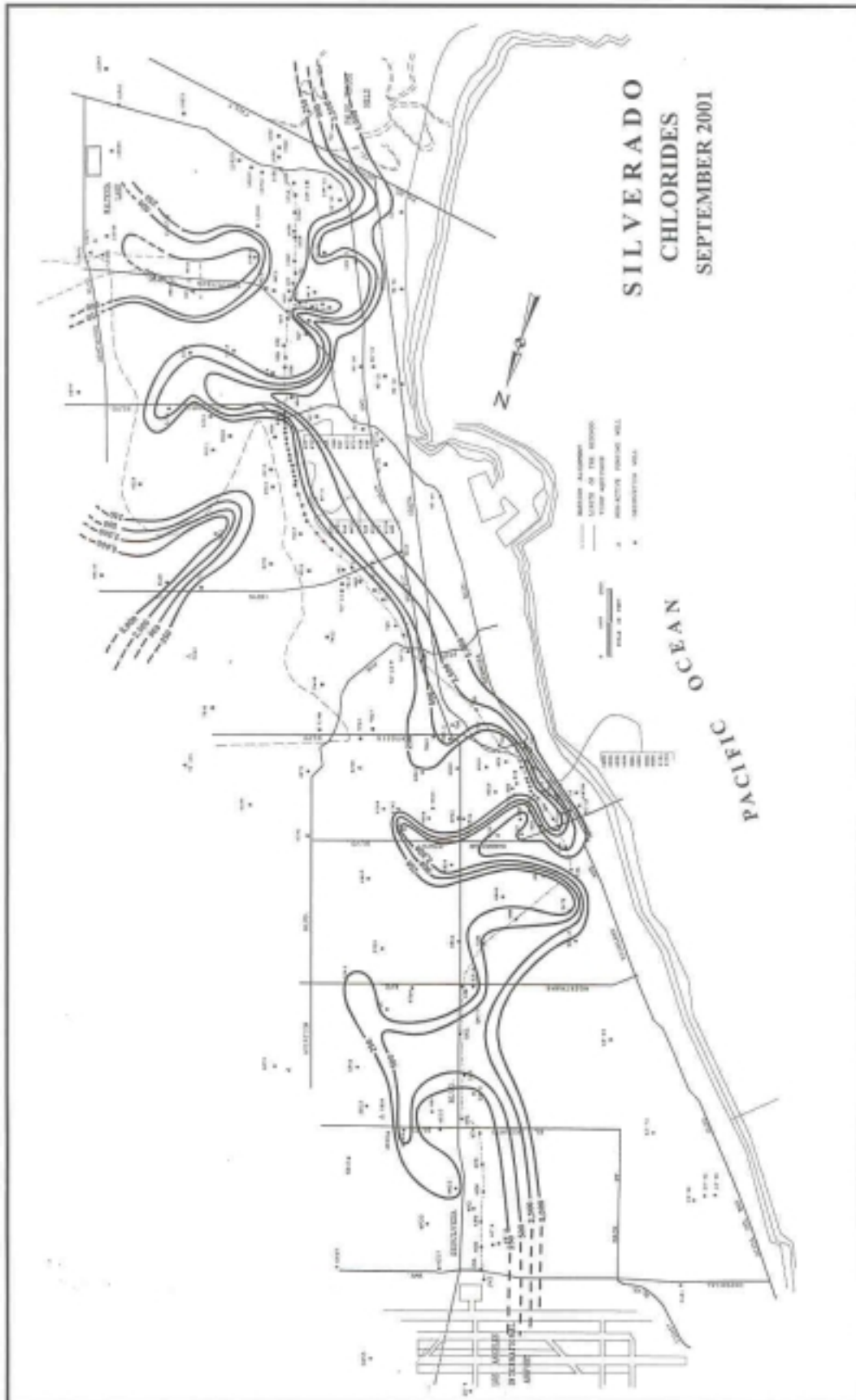


FIG. 11 – CHLORIDE LEVELS

## APPENDIX A

### CONTINUING HISTORY OF WATERMASTER SERVICE AND ADMINISTRATION OF THE JUDGEMENT

#### History of Water Resources Development

The absence of adequate surface water supplies in the West Coast Basin forced the early development of groundwater sources. In 1870, the communities of Inglewood and Long Beach tapped the artesian wells and springs east of the Newport-Inglewood Uplift. When these stopped flowing, water users were forced to drill shallow wells. By 1904, about 100 wells were producing 10,000 acre-feet annually.

The techniques used to develop groundwater were advanced dramatically in 1909 with the advent of the deep-well turbine pump. Its tremendous adaptability and superior operating characteristics gave countless users access to efficient water wells. Dependable sources of water attracted industry and agriculture, and in time the demand for water exceeded the rate at which the Basin was being replenished naturally. Water levels throughout the Basin dropped below sea level in the 1920s, and wells along Santa Monica Bay were abandoned because the water was too salty. By 1932, the entire coastal reach of the Basin had been invaded by sea water.

Groundwater quality deterioration continued until 1945, when the California Water Service Company, the City of Torrance, and the Palos Verdes Water Company filed suit in Superior Court, Los Angeles County. Their objectives were to quiet title to the groundwater rights of each pumper and to establish control over groundwater extractions from the Basin. Other organizations moved to support the litigation and the West Basin Water Association was formed in 1946. A plan to manage the Basin's water resources was set up to:

1. Provide a supplemental supply for major producers;
2. Limit groundwater extractions; and
3. Create an exchange pool to provide pumping rights for users not having access to supplemental water.

The first of these steps was realized in 1947 when the West Basin Municipal Water District was formed to distribute water from the Colorado River. The District was annexed to The Metropolitan Water District of Southern California in 1948, and that year Colorado River water began flowing into the West Coast Basin, followed by State Water Project water in 1974.

In 1946, the second and third steps were taken with the Court's preliminary hearings to define the groundwater problem and outline those areas needing more information.



The Court asked the Department of Water Resources (DWR) to define the boundaries and determine the geohydrologic characteristics of the West Coast Basin. DWR spent six years analyzing the physical properties of the Basin. The major water producers also retained an Engineering Advisory Committee to aid in the investigation. As more information became available, the full magnitude of the problem became evident. In 1949, an amended complaint added 340 parties to the suit. A "Report of Referee" was filed with the Court on September 15, 1952.

Several years passed before water users became sufficiently alarmed by groundwater conditions to draft an Interim Agreement that reduced groundwater extractions until a final judgment could be approved. The Court approved the agreement on February 16, 1955, and appointed DWR as Watermaster to administer it.

A "Final Report of Referee", filed on June 8, 1961, included data on groundwater conditions between 1950 and 1956. The report provided the information needed to draft the final judgment. On August 18, 1961, after 16 years of litigation, the Court rescinded the Interim Agreement and signed the West Coast Basin Judgment. The Judgment retained DWR as Watermaster.

A second suit, often called the American Plant Growers Case, was filed on October 31, 1956. As a result, 76 additional parties were placed under jurisdiction of the Court on March 24, 1966. Appendix B lists all parties originally under jurisdiction of the Court and all successors in interest.

The Judgment was amended on March 21, 1980, to provide for a transition in the administrative year from a water year (October 1 to September 30) to a fiscal year (July 1 to June 30). Under the Judgment, this transition, in turn, contained a "short" administrative year of nine months--October 1, 1980, to June 30, 1981. The administrative year starting July 1, 1981, was on a fiscal year basis.

The Judgment was further amended on September 24, 1981, to: (1) establish a nonconsumptive water use right subordinate to the adjudicated rights and Hughes Aircraft Company became a party with zero water rights; and (2) authorize the production and disposal of water from wells to analyze and find a method of well operation for correction of increased salinity resulting or potentially resulting from sea water intrusion.

The Judgment was again amended on March 12, 1984, to provide for nonconsumptive additional water production to recover old refined oil and to clean up the basin. The Atlantic Richfield Company was given a 5-year permit to operate an oil recovery project; because all the water produced is returned to the basin, there will be no charge to the party's production. The Judgment was further amended on March 8, 1989, to revise the provisions for nonconsumptive clean-up operations. Chevron USA Inc. was given a permit for hydrocarbon clean-up on August 16, 1988. This permit was modified to increase the actual nonconsumptive production of up to 5,600 acre-feet. Mobil Oil

Corporation was granted a permit following an October 22, 1991 hearing, for hydrocarbon clean-up under its Torrance Refinery.

The Judgment was further amended on July 7, 1993, effective retroactively to June 30, 1993, to modify the carryover provisions to 2 acre-feet or 20 percent of Adjudicated Right, whichever is greater.

The Judgment was amended on August 30, 2001, allowing the extraction of up to 3,300 acre-feet annually of saline water by the Water Replenishment District without obtaining an Adjudicated Right if the salinity exceeded 1000 ppm chloride. The extractions have not met the 1,000 ppm chloride requirement. On June 24, 2002 the court extended the exemption to the chloride limit until December 31, 2002.

### Watermaster Service

DWR forms Watermaster Service Areas at the request of water users or by order of the Superior Court.

Once a month, every groundwater pumper reports its extractions to the Watermaster and each water right account is revised by computation of the amount pumped during the previous month, the total amount pumped thus far during the current fiscal year, and the amount that can legally be pumped during the remainder of the fiscal year. Each pumper receives an updated copy of its account every month.

Accurate measurement of groundwater extractions is absolutely necessary to the success of the Basin's management plan. Therefore, the field staff calibrates the water meter on every active water well at least once every two years. Every available means, including system efficiency tests, is used to confirm water meter test results. Inaccurate meters must be repaired in 30 days. Follow up tests on repaired meters and initial tests on new meters are scheduled whenever necessary.

One time in the fall and in the spring of each year the depth to the static groundwater level is measured in about 350 water wells in the Basin. The measurements are used to prepare "fall" and "spring" contour maps of groundwater elevations and "spring-to-spring" maps of areas of equal change in elevation over a one-year period.

### Groundwater Recharge

Natural replenishment of the Basin's groundwater supply is limited to underflow from the Central Basin, which bounds the West Coast Basin on the east.

Water spread in the Central Basin percolates into aquifers there, and eventually some crosses the Newport-Inglewood Uplift to supplement the groundwater supply in the West Coast Basin. Although the water is not directly applied to the West Coast Basin, this process returns large quantities of water to the ground and substantially increases natural subsurface flow from the Central Basin to the West Coast Basin. Effectiveness

of the process is limited to the space available in one basin for spreading facilities and to the other basin's capability for accepting the water.

### In-lieu Replenishment

During the 1965-66 water year, the Water Replenishment District of Southern California (WRD) began a program of in-lieu replenishment. Any producer with access to supplemental water may use in-lieu replenishment water instead of water pumped from the ground. The program may be used to:

1. Alter pumping patterns within a groundwater basin;
2. Replenish areas of low transmissivity where conventional recharge techniques are ineffective;
3. Heighten the effect of injecting water to form a sea water barrier by reducing nearby extractions;
4. Reduce the amount of replenishment water purchased by WRD; or
5. Reduce the annual groundwater extraction from the West Coast Basin.

### Sea Water Intrusion Barrier Projects

Sea water intrusion in the West Coast Basin along Santa Monica Bay has been effectively halted by the West Coast Basin Barrier Project, consisting of a line of 154 injection wells that parallels the coastline from Los Angeles International Airport to the Palos Verdes Hills.

The Los Angeles County Department of Public Works (LACDPW), which operates the project, injects State Water Project water and Colorado River water into the barrier to create a pressure ridge that impedes the inland movement of a salt water front and maintains protective groundwater elevations in the Silverado and "200-foot sand" aquifers. The scope of the project is shown in Figure 11, which illustrates the extent to which sea water has intruded into the merged phases of the Silverado aquifer.

Recently, the West Basin Municipal Water District has completed a tertiary treatment system to treat reclaimed water from the Hyperion wastewater treatment plant to produce water of acceptable quality to use for injection instead of State Water Project water and Colorado River water. Delivery of water from the plant, which includes reverse osmosis as a final treatment process, began in June 1995.

A second barrier to sea water intrusion was built by LACDPW along San Pedro Bay. This project, called the Dominguez Gap Barrier Project, started operating during February 1971 in a manner similar to that of the West Coast Basin Barrier Project.

### Desalter Projects

The West Basin Municipal Water District has constructed a 1.5 million gallon per day desalting plant in the City of Torrance. The plant treats brackish groundwater. The desalter is to demonstrate desalting technology and to improve groundwater quality and management.

The Water Replenishment District has constructed and is operating the Goldsworthy Desalter plant. The plant is located in the City of Torrance field services facility and is desalting approximately 250 acre-feet of saline groundwater per month. The salinity of the extractions to date have not yet reached 1000 ppm chloride.

### Water Recycling Program

The West Basin Municipal Water District has constructed a water recycling (reclamation) plant in El Segundo. The plant will recycle 70,000 acre-feet per year of reclaimed water from the City of Los Angeles' Hyperion treatment plant for distribution

to industrial and landscape users and into the West Coast Basin Barrier. Initial deliveries started in June 1995.

### Groundwater Levels

The volume of groundwater stored in the West Coast Basin is constantly changed by variations in subsurface inflow and outflow, artificial recharge, extractions, and, to a lesser degree, precipitation. The Silverado aquifer, underlying most of the West Coast Basin, is the most productive aquifer in the Basin. Ranging from 100 to 500 feet in thickness, it yields 80 to 90 percent of the groundwater extracted annually.

Contours of groundwater surface elevations are shown in Figures 5 and 6 and the summarization of changes in water level elevations is shown in Figure 7.

State Well Numbers have been assigned to water wells in the Basin (Figure 12).

### Water Use

Population increase and industrial growth in the West Coast Basin caused water demand to increase substantially from 1943 to 1970 when growth leveled off. Prior to 1955, Groundwater extractions met most of the demand. However, when the Judgment reduced extractions, imported water became the largest component of the Basin's water supply.

Figure 13 shows annual groundwater extractions and total water use since 1933.

### Administration of the Judgment

The West Coast Basin Judgment contains provisions for the parties to obtain additional pumping rights, exceed their entitled extractions, or otherwise make variations in their annual pumping. The procedure thus established is described below.

#### Exchange Pool

The Court and Parties foresaw that adjudicating water rights and limiting total extractions within the Basin would not be satisfactory to all parties. As a consequence, Paragraph VI of the Judgment authorized a water Exchange Pool to provide additional

water rights to members without supplementary water. Membership in the Exchange Pool is voluntary, and any party can join by filing an "Intention to be Bound by Paragraph VI of the Judgment" with the Watermaster and the Court. Members of the Exchange Pool are referenced with an asterisk in Appendix B. Recipients of exchange

water may pump the amounts released to them in addition to their Adjudicated Right. Releases are limited by the Judgment.

Once each July, the Watermaster opens the Exchange Pool to permit this intermember exchange of water rights. The Pool is in operation when the Watermaster asks each member to estimate its water requirement and supply for the next year. If a member has supplemental water in addition to its Adjudicated Right and if its total supply exceeds its estimated requirement, it must make a Mandatory Offer to lease a portion of its pumping right equal to the difference between its Adjudicated Right and half its estimated requirement. Under no circumstance, however, can the Mandatory Offer and the estimated requirement together exceed the total supply. This limits the Mandatory Offer to an amount which can be replaced with supplemental water. Another type of offer is called the Voluntary Offer. Any member may voluntarily offer pumping rights to the Exchange Pool if its water supply exceeds its estimated requirement and it has no supplemental supply. However, the Watermaster must allocate all Mandatory Offers before using the Voluntary Offers. Voluntary Offers have not been used for several years.

The charge for a Mandatory Offer cannot exceed the price per acre-foot of replacement water; the charge for a Voluntary Offer cannot exceed the price per acre-foot charged by the West Basin Municipal Water District for imported water. The Watermaster determines the amount of water needed and computes the average price to be paid. The cost per acre-foot is the weighted average price per acre-foot of all offers required to meet requests.

If a member's estimated water requirement exceeds its total water right, including leases, and it has no supplemental supply, the difference may be requested from the Exchange Pool.

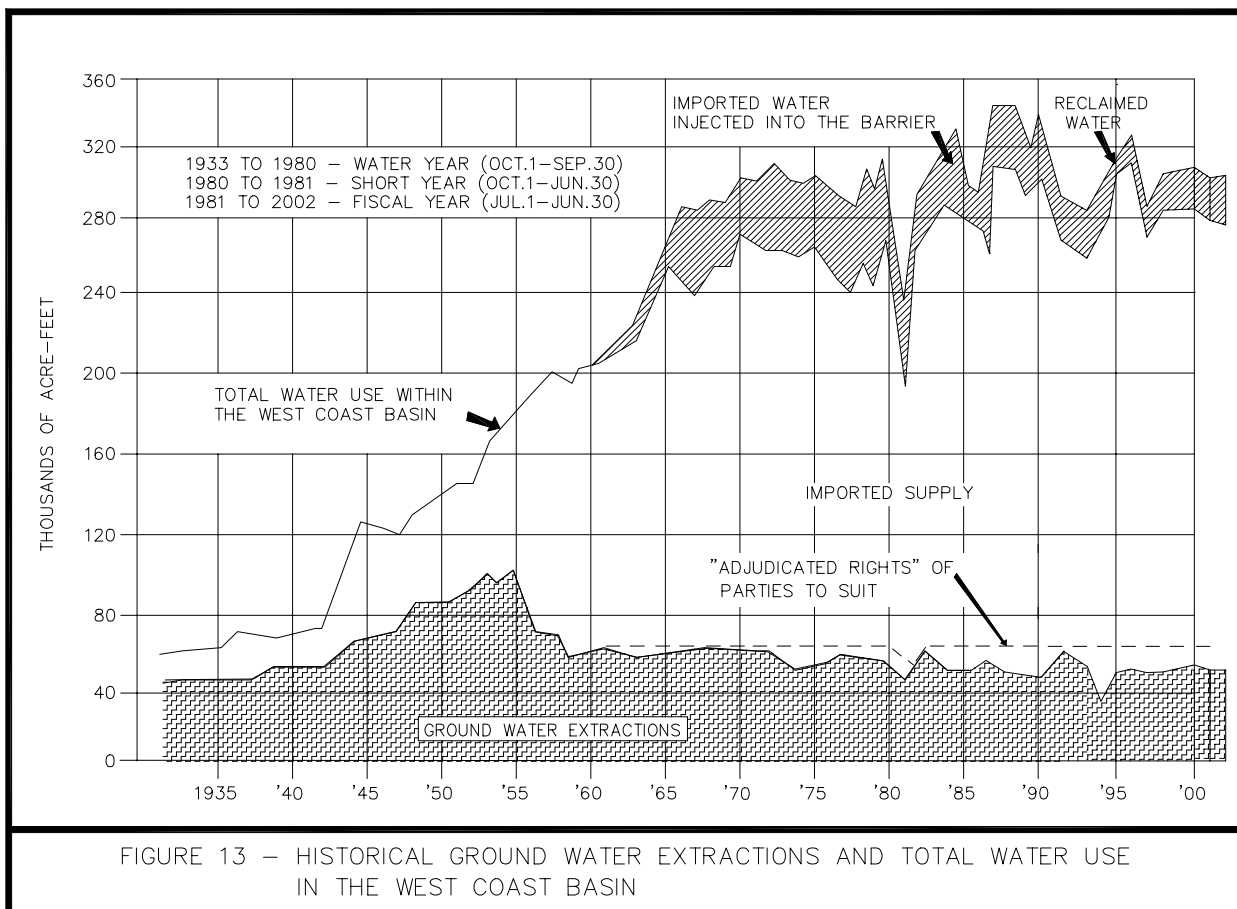
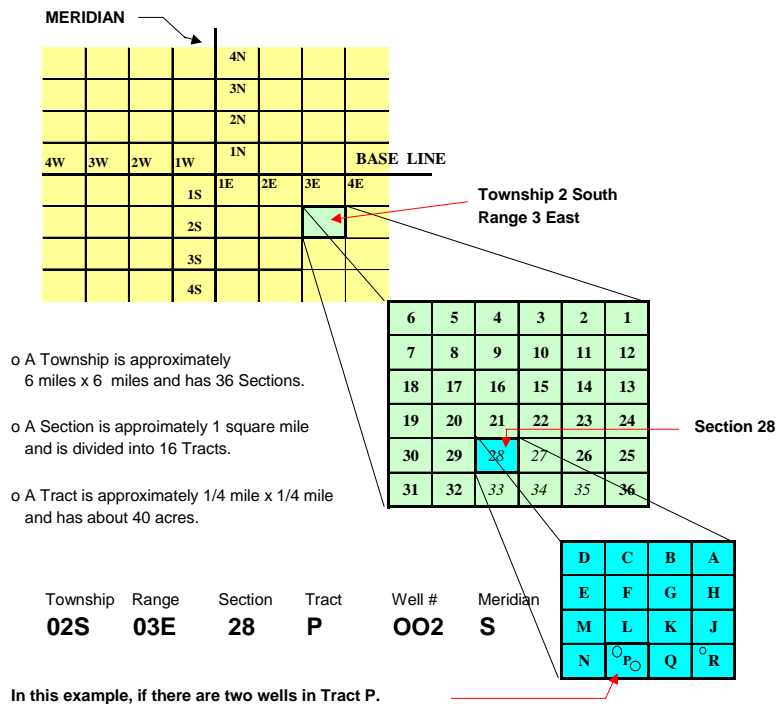
### Transfers of Adjudicated Rights

Appendix B contains a copy of the documents substantiating each transfer. It also contains samples of recommended lease and sale agreements. The Watermaster recommends that documents be prepared on 8-1/2 x 11-inch paper.

Any necessary additions to the recommended agreement may be made by attaching another page.

In leasing, buying, or selling water rights, parties should be specific as to the type being exchanged, i.e., Adjudicated Right. All leases should specify both amount of Adjudicated Right, to the nearest whole acre-foot, and period of lease. All water right leases should be made on a fiscal year basis, i.e., July 1 through June 30 of the following year.

The Watermaster keeps a list of parties who have informed him or her of their interest in buying, selling, or leasing water rights. Any party wishing to be listed should call the Watermaster. This is not done as a Court-required function of Watermaster service. It is a courtesy informally administered to assist parties unable to resolve problems regarding an excess or deficiency of water rights. The Watermaster will make no recommendation regarding transactions conducted relative to the use of this service. The names of all parties using this service are available in the Watermaster's office and may be obtained by telephone or visit to the office.

**FIGURE 12 - STATE WELL NUMBER SYSTEM**

**APPENDIX B****ADJUDICATED RIGHTS OF WEST COAST BASIN PARTIES**Acknowledgement of Deed of Water Rights

None

<u>Suggested Sample Documents for Transferring Water Rights</u>	40
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<u>Succession of Adjudicated Rights in West Coast Basin</u>	41
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(Documents supporting yearly  
leases not included in annual  
report)



**SUGGESTED SAMPLES OF DOCUMENTS FOR TRANSFERRING WATER RIGHTS**

YEARLY LEASE	PERMANENT TRANSFER
<p><u>WATER RIGHT LICENSE AND AGREEMENT</u></p> <p>For a valuable consideration, THE JOHN DOE COMPANY hereby grants to John Smith: a license to extract _____ acre-feet of Licensor's Adjudicated Right allocated to Licensor (or predecessors in interest) under and pursuant to Judgment dated August 18, 1961 and entered in Los Angeles Superior Court Case No. 506806 entitled "California Water Service Company, et al. vs. City of Compton, et al." during the period commencing July 1, 20____ and continuing to and including June 30, 20____.</p> <p>Said License is granted subject to the following conditions:</p> <ol style="list-style-type: none"> <li>(1) Licensee shall exercise said right and extract the same on behalf of THE JOHN DOE COMPANY during the period above specified and put the same to beneficial use and Licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of Licensor.</li> <li>(2) Licensee shall pay assessments levied on the pumping of said ground waters by the Water Replenishment District of Southern California.</li> <li>(3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document.</li> <li>(4) Licensee shall note, in any recording of water production for the period of agreement, that said pumping was done pursuant to this license.</li> <li>(5) Licensee's Adjudicated Right _____ (shall) (shall not) be increased by the amount hereby leased when computing carryover or allowable overextraction as provided by Paragraph V(1) in said Judgment.</li> </ol> <p>THE JOHN DOE COMPANY warrants that it has _____ acre-feet of Adjudicated Right and that it has not pumped and will not pump or permit or license any other person to pump any part of said _____ acre-feet during the period of July 1, 20____ through June 30, 20____.</p> <p>Dated: _____</p> <p>THE JOHN DOE COMPANY                      JOHN SMITH</p> <p>By _____                      By _____</p> <p>Title _____                      Title _____</p>	<p><u>DEED OF WATER RIGHTS</u></p> <p>For a valuable consideration, JOHN SMITH hereby sells and transfers to THE JOHN DOE COMPANY:</p> <p>The Right to extract _____ acre-feet of grantor's Adjudicated Right allocated to grantor (or predecessors in interest) under and pursuant to Judgment dated August 18, 1961 and entered in Los Angeles Superior Court Case No. 506806 entitled "California Water Service Company, et al. vs. City of Company, et al."</p> <p>Dated: _____</p> <p>THE JOHN DOE COMPANY                      JOHN SMITH</p> <p>By _____                      By _____</p> <p>Title _____                      Title _____</p>

### SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2002

<u>ABC NURSERY, INC</u>		
SUCCESSOR TO JENKINS, HARRY C	1.80	
SUCCESSOR TO TITLE, SIDNEY R AND CHARLOTTE W	13.60	
SUCCESSOR TO VERBURG, WILLIAM AND CLARA B	6.70	
SUCCESSOR IN PART TO UNITED CALIFORNIA BANK	2.00	
TOTAL	<u>24.10</u>	
<u>ABELL, FRANK</u>	<b>1.80</b>	
SOLD TO CITY OF INGLEWOOD	-1.80	
TOTAL	0.00	
<u>ALCAST FOUNDRY, ET AL</u>	<b>7.20</b>	
SOLD TO CITY OF TORRANCE	-7.20	
TOTAL	0.00	
<u>ALLIED CHEMICAL CORP</u> (SEE INDUSTRIAL CHEMICAL DIVISION, ALLIED CHEMICAL CORP)		
ALLIED CORP (FORMERLY: ALLIED CHEMICAL CORP) (NOW KNOWN AS ALLIED-SIGNAL, INC [EL SEGUNDO OFFICE])		
<u>ALLIED-SIGNAL, INC (TORRANCE OFFICE)</u>		
SUCCESSOR TO GARRETT CORP, THE	22.50	<u>22.50</u>
ALLIED-SIGNAL, INC (EL SEGUNDO OFFICE) (FORMERLY: ALLIED CORP (MERGED WITH HONEYWELL INTERNATIONAL, INC AND NAME CHANGED TO HONEYWELL INTERNATIONAL, INC)	<b>255.00</b> -255.00	
TOTAL	0.00	
<u>ALWAG, HILARIO S AND EMMA</u>		
SUCCESSOR TO T C NAVARRO	53.90	
SUCCESSOR TO PEGGY SWICK	5.50	
SOLD TO TORRANCE UNIFIED SCHOOL DISTRICT	-59.40	
TOTAL	0.00	
<u>AMERICAN PLANT GROWERS, INC</u>		
SECOND WEST COAST BASIN JUDGMENT	2.60	
SUCCESSOR TO BEN CLUFF DAIRY	7.40	
SOLD TO SUNRISE GROWERS, INC	-10.00	
SUCCESSOR TO SUNRISE GROWERS, INC	10.00	
TOTAL	<u>10.00</u>	
<u>ANDERSON, REMBERT C</u>	<b>80.50</b>	
SOLD TO SPARKLETTS DRINKING WATER CORP	-80.50	
TOTAL	0.00	
<u>ASAHI FANCY KOI, INC</u>		
SUCCESSOR IN PART TO JAKE ENGELSMA	2.00	<u>2.00</u>
ASSOCIATED SOUTHERN INVESTMENT CO (FORMERLY EDISON SECURITIES CO)	<b>46.70</b>	
SOLD TO SOUTHERN CALIFORNIA EDISON CO	-46.70	
TOTAL	0.00	
<u>ATLANTIC RICHFIELD CO</u> (FORMERLY RICHFIELD OIL CO)	<b>4,428.00</b>	
SUCCESSOR TO MANVILLE SALES CORP	881.00	
TOTAL	<u>5,309.00</u>	
<u>AUTOMATION INDUSTRIES, INC-HARRIS TUBE</u>		
SUCCESSOR TO HARRIS TUBE, INC	0.70	<u>0.70</u>
<u>BALLMAN, ROSEMARY N</u>	<b>7.00</b>	
SOLD TO UNITED CALIFORNIA BANK	-7.00	
TOTAL	0.00	
<u>BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION (TRUST BI-51)</u>	<b>0.10</b>	
RELEASED TO MICHAEL L ROCKWELL	-0.10	
TOTAL	0.00	
<u>BARCLAY HOLLANDER CORP</u> (FORMERLY BARCLAY HOLLANDER CURCI INC)		
SUCCESSOR IN PART TO JOUGHIN TORRANCE RANCH	3.33	
SOLD TO TORRANCE, CITY OF	-3.33	
TOTAL	0.00	
<u>BARCLAY HOLLANDER CURCI INC</u> (NOW KNOWN AS BARCLAY HOLLANDER CORP)		
BARCLAY, RICHARD AND R A WATT		
SUCCESSORS TO EMMA J OSBORN	32.66	
SUCCESSORS IN PART TO ISABELA J GRANZ	13.55	
ESTATE		
SUCCESSORS IN PART TO GEORGE R MURDOCK	13.75	
SOLD TO CITY OF TORRANCE	-59.96	
TOTAL	0.00	
<u>BAUMAN, GUS A</u>	<b>0.00</b>	
TRANSFERRED TO PALOS VERDES BEGONIA FARM		
<u>BELVIDERE MUTUAL WATER CO</u>	<b>33.40</b>	
SOLD TO CITY OF TORRANCE	-33.40	
TOTAL	0.00	
<u>BLACK, DANA</u>		
SUCCESSOR IN PART TO ESTATE OF JOHN GRANT	11.80	<u>11.80</u>
BOISE CASCADE BUILDING CO		
SUCCESSOR IN PART TO JOUGHIN	16.92	

### SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2002

TORRANCE RANCH		
SOLD TO INGLEWOOD, CITY OF	-16.92	
TOTAL		0.00
<u>BOARD OF RETIREMENT-LOS ANGELES CO EMPL RET SYS</u> SECOND WEST COAST BASIN JUDGMENT (NOW KNOWN AS LOS ANGELES COUNTY WESTERN AVE GOLF)		
<u>BRANDSMA, MAYNARD</u>		
SUCCESSOR IN PART TO ESTATE OF JOHN GRANT	11.80	<u>11.80</u>
<u>BURKE, W F AND LOIS PRICE</u>	<b>9.50</b>	
SOLD TO H S SCOTT	-9.50	
TOTAL		0.00
<u>CBS INC</u>		
FORMERLY COLUMBIA BROADCASTING SYS INC	<b>18.50</b>	
SOLD TO MORAN, RONALD E	-9.00	
TOTAL		<u>9.50</u>
<u>CALIFORNIA, STATE OF</u>		
SUCCESSOR TO ROBERT L FULLILOVE	1.00	
SUCCESSOR TO JOE MONIZ JR	2.20	
SUCCESSOR IN PART TO KELLY PIPE CO	16.30	
SUCCESSOR IN PART TO FLAVIO RODRIGUEZ	4.00	
SUCCESSOR IN PART TO A H SMITH (SAM SURBER AND FRED A SMITH)	2.60	
SOLD TO SPARKLETTS DRINKING WATER CORP	-26.10	
TOTAL		0.00
<u>CALIFORNIA WATER SERVICE CO</u>	<b>3,071.00</b>	
SUCCESSOR TO PALOS VERDES WATER CO	999.00	
TOTAL		<u>4,070.00</u>
<u>CALIFORNIA WATER SERVICE CO (DOMINGUEZ)</u>		
DOMINGUEZ WATER CO MERGED WITH AND INTO CALIFORNIA WATER SERVICE CO, WATERMASTER ACCOUNT KNOWN AS CALIFORNIA WATER SERVICE CO (DOMINGUEZ)	10,162.45	
SUCCESSOR TO HONEYWELL INTERNATIONAL INC	255.00	
TOTAL		<u>10,417.45</u>
<u>CARSON ESTATE CO</u>	<b>130.00</b>	
SOLD TO DOMINGUEZ WATER CORP	-130.00	
TOTAL	0.00	
<u>CARSON-HARBOR VILLAGE MOBILE HOME PARK</u>		
SUCCESSOR TO ETICHEMENDY, CAROLINE, ESTATE OF	8.20	<u>8.20</u>
<u>CARSON-MADRONA CO</u>		
SUCCESSOR TO CHANSLOR-WESTERN OIL AND DEVELOP CO	104.00	<u>104.00</u>
<u>CENTURY BUILDERS</u>		
SUCCESSOR TO UNION NURSERY, INC	4.70	<u>4.70</u>
<u>CHANDLERS PALOS VERDES SAND AND GRAVEL CORP</u>		
SUCCESSOR TO SOUTHWESTERN PORTLAND CEMENT CO	<b>15.00</b>	
SECOND WEST COAST BASIN JUDGMENT	95.20	
SUCCESSOR TO TORRANCE SAND AND GRAVEL CORP	184.00	
TOTAL		<u>294.20</u>
<u>CHANSLOR-WESTERN OIL AND DEVELOPMENT CO</u>	<b>104.00</b>	
(FORMERLY CHANSLOR-CANFIELD MIDWAY OIL CO)		
SOLD TO CARSON-MADRONA CO	-104.00	
TOTAL	0.00	
<u>CHEMICALS CO OF ALLIED CORP</u> (FORMERLY INDUSTRIAL CHEMICAL DIVISION, ALLIED CHEMICAL CORP) (NOW KNOWN AS ALLIED CORP)		
<u>CHEVRON USA INC</u>	<b>4,541.70</b>	
(FORMERLY STANDARD OIL CO OF CALIFORNIA)		
SUBJECT TO LONG TERM LEASE FROM ISABELLA GRANZ PER JUDGEMENT	59.60	
TOTAL		<u>4,601.30</u>
<u>CHRISTIE, CLEM, DON C FOHL AND LEON LARSON</u>	<b>0.02</b>	
(TRUSTEES OF WILMINGTON CEMETERY ASSOC)		
ABANDONED WATER RIGHT	-0.02	
TOTAL		0.00
<u>CHURCHILL DOWNS CALIFORNIA CO</u>		
SUCCESSOR TO HOLLYWOOD PARK OPERATING CO	282.00	<u>282.00</u>
CLUFF, BEN DAIRY		
SUCCESSOR TO EDWARD AND EMILY COST	7.40	
SOLD TO AMERICAN PLANT GROWERS, INC	-7.40	
TOTAL		0.00
<u>COAST FOREST PRODUCTS</u>		
SUCCESSOR TO SOUTHWEST STEEL ROLLING MILLS	3.40	
SOLD TO GEORGIA-PACIFIC CORP	-3.40	
TOTAL		0.00
<u>COASTLINE CHURCH OF CHRIST</u>		
SUCCESSOR TO LERMENS, EVELYN	0.70	<u>0.70</u>

### **SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2002**

COLLISTER, CAMERON		
SUCCESSOR TO JOUGHIN TORRANCE RANCH	136.82	
QUITCLAIMED TO NORMANDIE PARK	-136.82	0.00
TOTAL		
<b>COLUMBIA BROADCASTING SYSTEM, INC</b> (NOW KNOWN AS CBS INC)		
<b>COST, EDWARD AND EMILY</b>	<b>7.40</b>	
SOLD TO BEN CLUFF DAIRY	-7.40	0.00
TOTAL		
<b>CURTIS, OWEN W</b>	<b>3.80</b>	
SOLD TO SOUTHERN CALIFORNIA WATER CO	-3.44	
TOTAL		<u>0.36</u>
<b>DEL AMO ESTATE CO</b>	<b>121.00</b>	
SOLD TO DOMINGUEZ WATER CORP	-121.00	0.00
TOTAL		
<b>DELANEY, GOLDA, ESTATE OF</b> (FORMERLY ARTHUR J DELANEY)		
SUCCESSOR TO BEGO CORP	<b>4.10</b>	<u>4.10</u>
DENNIS, ESTHER M SHEETS (FORMERLY ESTHER M SHEETS)	<b>5.50</b>	
SOLD TO TORRANCE, CITY OF	-5.50	0.00
TOTAL		
<b>DESSER ENTERPRISES</b>		
SECOND WEST COAST BASIN JUDGMENT	0.00	<u>0.00</u>
<b>DOMINGUEZ ESTATE CO</b>	<b>254.00</b>	
SOLD TO DOMINGUEZ WATER CORP	-254.00	0.00
TOTAL		
<b>DOMINGUEZ WATER CORP</b> (NOW KNOWN AS DOMINGUEZ WATER CO)		
DOMINGUEZ WATER CO	<b>9,477.80</b>	
(FORMERLY KNOWN AS DOMINGUEZ WATER CORP)		
SUCCESSOR TO CARSON ESTATE CO	130.00	
SUCCESSOR TO DEL AMO ESTATE CO	121.00	
SUCCESSOR TO DOMINGUEZ ESTATE CO	254.00	
SUCCESSOR TO DON WILSON BUILDERS	32.60	
SUCCESSOR TO HEYDENBECK, JEANETTE R	0.70	
SUCCESSOR TO NAKANO, KIKUNO, ET AL	19.30	
SUCCESSOR IN PART TO H J EARLY	91.00	
SUCCESSOR IN PART TO R A WATT, INC	61.85	
SOLD IN PART TO WATSON LAND CO	-37.60	
SUCCESSOR TO THORPE, GREGORY	11.80	
DOMINGUEZ WATER CO MERGED WITH AND INTO CALIFORNIA WATER SERVICE CO, WATERMASTER ACCOUNT KNOWN AS CALIFORNIA WATER SERVICE CO (DOMINGUEZ)	-10,162.45	
TOTAL		0.00
DON WILSON BUILDERS		
SUCCESSORS TO KASUO, ISAMU, AND YOSHIKI R KITA	32.60	
SOLD TO DOMINGUEZ WATER CORP	-32.60	0.00
TOTAL		
DOUGLAS AIRCRAFT CO, INC (SEE MCDONNELL DOUGLAS CORP)		
<b>EARLY, H J AND DAISY</b>	<b>111.00</b>	
SOLD TO DOMINGUEZ WATER CORP	-91.00	
SOLD TO SAMUEL R AND RAYMOND S FUJIMOTO	-20.00	0.00
TOTAL		
<b>EDISON SECURITIES CO</b> (NOW KNOWN AS ASSOCIATED SOUTHERN INVESTMENT CO)		
<b>EL SEGUNDO, CITY OF</b>	<b>953.00</b>	<u>953.00</u>
ENGELSMA, JAKE		
SUCCESSOR TO WILBUR HORNSTRA	14.10	
SOLD TO ASAHI FANCY KOI, INC	-2.00	
TRANSFERRED TO SUSAN ENGELSMA, TRUSTEE ET AL	-12.10	
TOTAL		0.00
<b>ENGELSMA, SUSAN: TRUSTEE OF THE SUSAN ENGELSMA TRUST</b>		
TRANSFERRED FROM JAKE ENGELSMA	12.10	<u>12.10</u>
<b>EQUILON ENTERPRISES, LLC</b>		
SUCCESSOR TO TEXACO REFINING AND MARKETING, INC	3,432.00	<u>3,432.00</u>
<b>ETCHEMENDY, CAROLINE, ESTATE OF</b>	<b>8.20</b>	
SOLD TO CARSON-HARBOR VILLAGE MOBILE HOME PARK	-8.20	0.00
TOTAL		
<b>EVERGREEN AMERICA CORP</b>		
SUCCESSOR TO POTHOS CORP	5.40	<u>5.40</u>
<b>EWING, CARMELITA ROSECRANS</b>	<b>91.30</b>	
SOLD TO SOUTHERN CALIFORNIA WATER CO	-91.30	0.00
TOTAL		
EWING, NED ET AL		
SUCCESSOR IN PART TO ISABEL J GRANZ ESTATE	6.50	
SOLD TO R A WATT, INC	-6.50	0.00
TOTAL		

### **SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2002**

FLESH, LESLIE R AND ANDOR PASTERNAK, ET AL		
SUCCESSORS TO ALFRED D AND RUTH SEABACK	3.50	
SOLD TO STANLEY C LAGERLOF	-3.50	0.00
TOTAL		
<b>FLETCHER OIL AND REFINING CO</b> (FORMERLY FLETCHER OIL CO)	<b>86.30</b>	
SUCCESSOR TO FLETCHER, ROBERT G ET AL	3.70	
SOLD TO WESTERN WATER CO	-90.00	0.00
TOTAL		
FLETCHER, ROBERT G, DANIEL S, AND WILFRED O		
SUCCESSOR TO FRED A JUNGQUIST	3.70	
SOLD TO FLETCHER OIL AND REFINING CO	-3.70	0.00
TOTAL		
FUJIMOTO, SAMUEL R (FORMERLY KNOWN AS FUJIMOTO, SAMUEL R AND RAYMOND S)		
SUCCESSOR IN PART TO H J AND DAISY EARLY	20.00	
SOLD TO FUJIMOTO, SAMUEL R, STEVEN T AND JON T JOINT TENANTS	-20.00	0.00
TOTAL		
FUJIMOTO, SAMUEL R AND RAYMOND S (SEE FUJIMOTO, SAMUEL R)		
<b>FUJIMOTO, SAMUEL R, STEVEN T AND JON K, JOINT TENANTS</b>		
SUCCESSOR TO FUJIMOTO, SAMUEL R	20.00	<u>20.00</u>
<b>FULLILOVE, ROBERT L</b>	<b>1.00</b>	
SOLD TO STATE OF CALIFORNIA	-1.00	0.00
TOTAL		
FUTURA INDUSTRIES, INC		
SUCCESSOR TO SPANISH AMERICAN INSTITUTE	44.40	
SOLD TO KAUFMAN, LEO AND SHELDON BAER	-44.40	0.00
TOTAL		
GARRETT CORP, THE		
SUCCESSOR TO SHINODA BROTHERS INC	22.50	
TRANSFERRED TO ALLIED-SIGNAL INC (TORRANCE OFFICE)	-22.50	0.00
TOTAL		
<b>GATX TANK STORAGE TERMINALS CORP</b>		
SUCCESSOR TO PHILLIPS PETROLEUM CO	167.00	<u>167.00</u>
GEORGIA-PACIFIC CORP		
SUCCESSOR TO COAST FOREST PRODUCTS	3.40	
SOLD TO INGLEWOOD, CITY OF	-3.40	0.00
TOTAL		
GERAHUE LAND CO		
SUCCESSOR AND ASSIGNEE FOR A S JOHNSTON DRILL CO	11.90	
ABANDONED WATER RIGHT	-11.90	0.00
TOTAL		
<b>GILLINGHAM, FLORENCE R, ET AL</b>	<b>2.40</b>	<u>2.40</u>
<b>GONZALES, FELIPE AND GABRIELA</b> (NOW KNOWN AS GONZALES, GABRIELA AND MARIA R)		
GONZALES, GABRIELA AND MARIA R (FORMERLY GONZALES, FELIPE AND GABRIELA)	<b>34.30</b>	
SOLD TO TORRANCE, CITY OF	-34.30	0.00
TOTAL		
GRAND LAND CO		
SUCCESSOR IN PART TO SMITH, A H, ET AL	5.70	
ABANDONED WATER RIGHTS 1961-62	-5.70	0.00
TOTAL		
<b>GRANT, JOHN, ESTATE OF</b>	<b>59.00</b>	
APPORTIONED IN PART TO BLACK, DANA	-11.80	
APPORTIONED IN PART TO BRANDSMA, MAYNARD	-11.80	
APPORTIONED IN PART TO HONOLD, KRISTIN BRANDSMA	-11.80	
APPORTIONED IN PART TO THORPE, GREGORY	-11.80	
APPORTIONED IN PART TO THORPE, TERRENCE	-11.80	
TOTAL		0.00
<b>GRANZ, ISABELA J</b>	<b>380.00</b>	
PARTITIONED TO HEIRS:		
ISABELA J GRANZ ESTATE	-33.80	
JOUGHIN TORRANCE RANCH	-212.42	
GEORGE R MURDOCK	-15.12	
EMMA J OSBORN	-32.66	
SUBJECT TO LONG TERM LEASE TO: STANDARD OIL CO OF CALIF	-59.60	
SUPERIOR OIL CO	-26.40	0.00
TOTAL		
GRANZ, ISABELA J, ESTATE OF		
SUCCESSOR IN PART TO ISABELA J GRANZ	33.80	
SOLD IN PART TO RICHARD BARCLAY AND R A WATT	-13.55	
SOLD IN PART TO NED EWING, ET AL	-6.50	
SOLD IN PART TO R A WATT, INC	-13.75	

### SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2002

TOTAL	0.00	
HARRIS, R AND L		
SUCCESSOR TO LAWRENCE I LISTON	0.70	
DISCLAIMED WATER RIGHT	-0.70	
TOTAL	0.00	
HARRIS TUBE, INC		
SUCCESSOR IN PART TO B ROBINSON AND ASSOCIATES	0.70	
TRANSFERRED TO AUTOMATION IND INC- HARRIS TUBE	-0.70	
TOTAL	0.00	
<b>HAWTHORNE, CITY OF</b>	<b>1,882.00</b>	<b>1,882.00</b>
<b>HENDERSON, BEATRICE M</b>	<b>1.30</b>	
ABANDONED WATER RIGHT	-1.30	
TOTAL	0.00	
HEYDENBECK, JEANETTE R (FORMERLY JEANETTE R REIFSNYDER)	<b>0.70</b>	
SOLD TO DOMINGUEZ WATER CORP	-0.70	
TOTAL	0.00	
<b>HILLSIDE MEMORIAL PARK</b>	<b>16.70</b>	
SUCCESSOR TO SANTA FE LAND IMPROVEMENT CO	39.50	
SUCCESSOR TO SIGMUND S AND LIONEL S HOCKWALD	12.50	
TOTAL	<b>68.70</b>	
<b>HOCKWALD, SIGMUND S AND LIONEL S</b>	<b>12.50</b>	
SOLD TO HILLSIDE MEMORIAL PARK	-12.50	
TOTAL	0.00	
HOLLYWOOD PARK INC (FORMERLY HOLLYWOOD TURF CLUB) (NOW KNOWN AS HOLLYWOOD PARK OPERATING CO)		
HOLLYWOOD PARK OPERATING CO (FORMERLY HOLLYWOOD PARK INC)	<b>282.00</b>	
SOLD TO CHURCHILL DOWNS CALIFORNIA CO	-282.00	
TOTAL	0.00	
<b>HOLLYWOOD TURF CLUB</b> (NOW KNOWN AS HOLLYWOOD PARK INC)		
HONEYWELL INTERNATIONAL INC		
MERGED WITH ALLIED-SIGNAL INC (EL SEGUNDO OFFICE) AND THE CORP NAME CHANGED TO HONEYWELL INTERNATIONAL INC	255.00	
SOLD TO CALIFORNIA WATER SERVICE CO (DOMINGUEZ)	-255.00	
TOTAL	0.00	
<b>HONOLD, KRISTIN BRANDSMA</b>		
SUCCESSOR IN PART TO ESTATE OF JOHN GRANT	11.80	<b>11.80</b>
<b>HORNSTRA, WILBUR</b>	<b>14.10</b>	
SOLD TO JAKE ENGELSMA	-14.10	
TOTAL	0.00	
<b>HUGHES AIRCRAFT</b> (SEE 1981 JUDGMENT ORDER)	<b>0.00</b>	<b>0.00</b>
HUNT, DONALD G		
SUCCESSOR TO JAMES SCANDA	1.90	
SOLD TO KENICHI INOSE	-1.90	
TOTAL	0.00	
INDUSTRIAL CHEMICAL DIVISION, ALLIED CHEMICAL CORP (FORMERLY ALLIED CHEMICAL CORP, GEN CHEMICAL CO) (NOW KNOWN AS ALLIED CORP)		
<b>INGLEWOOD, CITY OF</b>	<b>4,382.00</b>	
SUCCESSOR TO ABELL, FRANK	1.80	
SUCCESSOR TO BOISE CASCADE BUILDING CO	16.92	
SUCCESSOR TO GEORGIA-PACIFIC CORP	3.40	
SUCCESSOR TO KAUFMAN, LEO AND SHELDON BAER	44.40	
SUCCESSOR IN PART TO GEORGE R MURDOCK	1.37	
TOTAL	<b>4,449.89</b>	
INOSE ET AL (KEN K INOSE, KAY K INOSE, KIYOKO YOSHIYAMA, KENICHI INOSE, KAYOKO K INOSE AND DAVID T NAKATANI, TRUSTEE OF THE INOSE CHILDREN TRUST U/D/T DATE 11/1/78) (FORMERLY INOSE, KENICHI)		
SUCCESSOR TO HUNT, DONALD G	1.90	
SUCCESSOR TO THAXTER, RALPH AND LOIS A LENOIR	3.50	
SOLD TO POTHOS CORP	-5.40	
TOTAL	0.00	
INOSE, KENICHI (NOW KNOWN AS INOSE ET AL)		
JENKINS, HARRY C		
SUCCESSOR TO H L PERRY	1.80	
SOLD TO ABC NURSERY, INC	-1.80	
TOTAL	0.00	
<b>JOHNS-MANVILLE PRODUCTS CORP</b> (SEE JOHNS-MANVILLE SALES CORP)		
JOHNS-MANVILLE SALES CORP		

### SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2002

(FORMERLY: JOHNS-MANVILLE PRODUCTS CORP MANVILLE SERVICE CORP) (NOW KNOWN AS MANVILLE SALES CORP)		
TOTAL	0.00	
<b>JOHNSTON, A S, DRILLING CO</b>	<b>11.90</b>	
ASSIGNED TO GERAHUE LAND CO	-11.90	
TOTAL	0.00	
<b>JONES, ANNA MAE</b>	<b>50.20</b>	
SOLD TO CITY OF TORRANCE	-50.20	
TOTAL	0.00	
JOUGHIN TORRANCE RANCH		
SUCCESSOR IN PART TO ISABELA J GRANZ	212.42	
SOLD IN PART TO BARCLAY HOLLANDER	-3.33	
CURCI INC		
SOLD IN PART TO BOISE CASCADE BUILDING CO	-16.92	
SOLD IN PART TO COLLISTER, CAMERON	-136.82	
SOLD IN PART TO R A WATT, INC	-55.35	
TOTAL	0.00	
<b>JUNGQUIST, FRED A</b> (FORMERLY KATHERINE P WOODMAN)	<b>3.70</b>	
SOLD TO ROBERT G FLETCHER ET AL	-3.70	
TOTAL	0.00	
KAHLERT, ET AL		
AND SUCCESSOR IN PART TO KELLY PIPE CO	18.90	
SOLD TO SPARKLETTS DRINKING WATER CORP	-18.90	
TOTAL	0.00	
KAUFMAN, LEO AND SHELDON BAER		
SUCCESSOR TO FUTURA INDUSTRIES INC	44.40	
SOLD TO CITY OF INGLEWOOD	-44.40	
TOTAL	0.00	
<b>KELLY PIPE CO</b>	<b>49.00</b>	
SOLD IN PART TO STATE OF CALIFORNIA	-16.30	
SOLD IN PART TO KAHLERT, ET AL	-18.90	
SOLD IN PART TO SPARKLETTS DRINKING WATER CORP	-13.80	
TOTAL	0.00	
<b>KITA, ISAMU, KASUO, AND YOSHIKI R</b>	<b>32.60</b>	
SOLD TO DON WILSON BUILDERS	-32.60	
TOTAL	0.00	
<b>KURTZ, GLADYS</b>	<b>3.50</b>	
SOLD TO SPARKLETTS DRINKING WATER CORP	-3.50	
TOTAL	0.00	
LAGERLOF, STANLEY C		
SUCCESSOR TO LESLIE R FLESCHE AND ANDOR PASTERNAK, ET AL	3.50	
SOLD TO SHELL OIL CO	-3.50	
TOTAL	0.00	
<b>LAWLER, JAMES K</b>	<b>3.10</b>	
SOLD TO B ROBINSON AND ASSOC	-3.10	
TOTAL	0.00	
LERMENS, EVELYN (FORMERLY LERMENS, ALFRED)	<b>0.70</b>	
SOLD TO COASTLINE CHURCH OF CHRIST	-0.70	
TOTAL	0.00	
<b>LEUZINGER, EMMA L</b>	<b>1.40</b>	<b>1.40</b>
<b>LISTON, LAWRENCE</b>	<b>0.70</b>	
SOLD TO R AND L HARRIS	-0.70	
TOTAL	0.00	
LITTLE, WILLIAM		
SUCCESSOR TO ROCKWELL, MICHAEL	0.10	
SOLD TO WATT INDUSTRIAL PROPERTIES	-0.10	
TOTAL	0.00	
<b>LOMITA, CITY OF WATER SYSTEM (WWD 13)</b>	<b>1,352.00</b>	<b>1,352.00</b>
(FORMERLY LOS ANGELES COUNTY WATERWORKS DISTRICT NO 13)		
<b>LONG BEACH, CITY OF</b>	<b>0.70</b>	<b>0.70</b>
<b>LOPES, FRANK</b>	<b>3.70</b>	<b>3.70</b>
<b>LOS ANGELES, CITY OF</b>	<b>1,503.00</b>	<b>1,503.00</b>
<b>LOS ANGELES COUNTY-ALONDRA PARK</b>	<b>28.70</b>	
SUCCESSOR TO LOS ANGELES COUNTY FLOOD CONTROL DIST	39.00	
TOTAL		<b>67.70</b>
<b>LOS ANGELES COUNTY CHESTER L WASHINGTON GOLF COURSE</b> (FORMERLY LOS ANGELES COUNTY WESTERN AVENUE GOLF COURSE)	296.00	<b>296.00</b>
<b>LOS ANGELES COUNTY FLOOD CONTROL DISTRICT</b>	<b>37.60</b>	
SUCCESSOR IN PART TO A H SMITH, ET AL	1.40	
SOLD TO LOS ANGELES COUNTY - ALONDRA PARK	-39.00	
TOTAL	0.00	
<b>LOS ANGELES COUNTY SANITATION DIST NO 2</b>	<b>102.00</b>	<b>102.00</b>
<b>LOS ANGELES COUNTY WATERWORKS DISTRICT NO 13</b> (NOW KNOWN AS LOMITA, CITY OF WATER SYSTEM WWD 13)		
<b>LOS ANGELES COUNTY WATERWORKS DISTRICT NO 22</b>	<b>551.00</b>	
SOLD TO SOUTHERN CALIF WATER CO	-551.00	

### SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2002

TOTAL		0.00
LOS ANGELES COUNTY WESTERN AVE GOLF COURSE (FORMERLY BOARD OF RETIREMENT OF THE LOS ANGELES COUNTY EMPLOYEES RETIREMENT SYSTEM) (NOW KNOWN AS LOS ANGELES CHESTER L WASH GOLF)		
<b>LOYOLA MARYMOUNT UNIVERSITY</b>		
(FORMERLY LOYOLA UNIVERSITY OF LOS ANGELES)	48.10	48.10
<b>MANHATTAN BEACH, CITY OF</b>	1,131.20	1,131.20
MANVILLE SALES CORP	881.00	
(FORMERLY: JOHNS-MANVILLE SALES CORP JOHNS-MANVILLE PRODUCTS CORP MANVILLE SERVICE)		
SOLD TO ATLANTIC RICHFIELD CO	-881.00	
TOTAL		0.00
MANVILLE SERVICE CORP (SEE JOHNS-MANVILLE SALES CORP)		
<b>MARTIN BROTHERS BOX CO, INC</b>	3.40	
SOLD TO SOUTHWEST STEEL ROLLING MILLS	-3.40	
TOTAL		0.00
<b>MAYFLOWER NURSERIES</b>	0.00	0.00
(HERBERT SAKAYE FUKUWAI, DBA)		
<b>MCCANDLESS, JAMES</b>	6.70	
SOLD TO SPARKLETT'S DRINKING WATER CORP	-6.70	
TOTAL		0.00
<b>MCDONNELL DOUGLAS CORP</b>		
(FORMERLY DOUGLAS AIRCRAFT, CO INC)		
LONG TERM LEASE FROM UNITED STATES NAVY DEPARTMENT	1.70	1.70
<b>MOBIL OIL CORP</b>		
(FORMERLY SOCONY MOBIL OIL CO)	2,570.00	
SUCCESSOR TO SUPERIOR OIL CO	26.40	
TOTAL		2,596.40
<b>MONETA MUTUAL WATER CO</b>	916.00	
SOLD TO CITY OF TORRANCE	-916.00	
TOTAL		0.00
<b>MONIZ, JOE JR</b>	2.20	
SOLD TO STATE OF CALIFORNIA	-2.20	
TOTAL		0.00
MORAN, RONALD E		
SUCCESSOR IN PART TO COLUMBIA BROADCASTING SYSTEM, INC	9.00	
SOLD TO CITY OF TORRANCE	-9.00	
TOTAL		0.00
<b>MORI, ROY H AND KENJI</b>		
SECOND WEST COAST BASIN JUDGMENT	5.60	
SOLD TO NOZAKI, SUMIKICHI	-2.00	
TOTAL		3.60
MURDOCK, GEORGE R		
SUCCESSOR IN PART TO ISABELA J GRANZ	15.12	
SOLD IN PART TO R BARCLAY AND R A WATT	-13.75	
SOLD IN PART TO CITY OF INGLEWOOD	-1.37	
TOTAL		0.00
<b>NAKANO, KIKUNO, ET AL</b>	19.30	
SOLD TO DOMINGUEZ WATER CORP	-19.30	
TOTAL		0.00
<b>NAVARRO, T C</b>	53.90	
SOLD TO HILARIO S AND EMMA ALWAG	-53.90	
TOTAL		0.00
<b>NORAIR, A DIVISION OF NORTHROP CORP</b>		
(FORMERLY KNOWN AS NORTHROP AIRCRAFT, INC)		
(NOW KNOWN AS NORTHROP CORP)		
NORMANDIE PARK		
SUCCESSOR TO COLLISTER, CAMERON	136.82	
SOLD TO CITY OF TORRANCE	-136.82	
TOTAL		0.00
<b>NORTHROP CORP</b>		
(FORMERLY KNOWN AS NORAIR, A DIV OF NORTHROP CORP)	38.15	38.15
<b>NOZAKI, SUMIKICHI</b>		
SUCCESSOR IN PART TO MORI, ROY H AND KENJI	2.00	
SUCCESSOR IN PART TO UNITED CALIFORNIA BANK	5.00	
TOTAL		7.00
OSBORN, EMMA J		
SUCCESSOR IN PART TO ISABELA J GRANZ	32.66	
SOLD TO R BARCLAY AND R A WATT	-32.66	
TOTAL		0.00
<b>OTANI, CHISATO</b>	0.00	0.00
<b>PACIFIC CREST CEMETERY CO</b>	17.70	
SUCCESSOR TO H S SCOTT	9.50	
SUCCESSOR TO WADA, KAORU AND SATORU	12.20	
TOTAL		39.40
<b>PALOS VERDES BEGONIA FARM</b>		
SUCCESSOR TO GUS A BAUMAN	0.00	0.00
<b>PALOS VERDES WATER CO</b>	999.00	
SOLD TO CALIFORNIA WATER SERVICE CO	-999.00	

### SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2002

TOTAL		0.00
<b>PARK WATER CO</b>	160.00	
SOLD TO SOUTHERN CALIFORNIA WATER	-160.00	
TOTAL		0.00
<b>PARKE, ZORAIDA</b>	1.80	
SOLD TO H L PERRY	-1.80	
TOTAL		0.00
<b>PASCHKE, WILLIAM JOSEPH</b>	0.02	
ABANDONED WATER RIGHT	-0.02	
TOTAL		0.00
PERRY, H L		
SUCCESSOR TO ZORAIDA PARKE	1.80	
SOLD TO HARRY C JENKINS	-1.80	
TOTAL		0.00
PHILLIPS PETROLEUM CO		
(FORMERLY TIDEWATER OIL CO)	167.00	
SOLD TO GATX TANK STORAGE TERM CORP	-167.00	
TOTAL		0.00
POTHOS CORP		
SUCCESSOR TO INOSE ET AL	5.40	
SOLD TO EVERGREEN AMERICA CORP	-5.40	
TOTAL		0.00
<b>REHOR, JOSEPHINE P</b>	2.20	2.20
<b>REIFSNYDER, JEANETTE R</b>		
(NOW KNOWN AS JEANNETTE R HEYDENBECK)		
<b>RHODIA, INC</b>		
SUCCESSOR TO RHONE-POULENC INC	521.00	521.00
RHONE-POULINE BASIC CHEMICAL CO		
SUCCESSOR TO STAUFFER CHEMICAL CO	521.00	
SOLD TO RHONE-POULINE INC	-521.00	
TOTAL		0.00
RHONE-POULENC INC		
SUCCESSOR TO RHONE-POULENC, BASIC CHEMICAL CO	521.00	
SOLD TO RHODIA, INC	-521.00	
TOTAL		0.00
<b>RICHFIELD OIL CORP</b>		
(NOW KNOWN AS ATLANTIC RICHFIELD CO)		
ROBINSON, B, AND ASSOCIATES		
SUCCESSOR TO JAMES K LAWLER	3.10	
SOLD IN PART TO HARRIS TUBE, INC	-0.70	
SOLD IN PART TO SOUTHERN CALIFORNIA WATER CO	-2.40	
TOTAL		0.00
ROCKWELL, MICHAEL L		
SUCCESSOR TO BANK OF AMERICA	0.10	
NATIONAL TRUST AND SAVINGS ASSOCIATION (TRUST B 1-51)		
SOLD TO LITTLE, WILLIAM	-0.10	
TOTAL		0.00
<b>RODRIGUEZ, FLAVIO</b>	6.10	
SOLD TO STATE OF CALIFORNIA	-4.00	
DISCLAIMED WATER RIGHT	-2.10	
TOTAL		0.00
<b>ROMAN CATHOLIC ARCHBISHOP OF LOS ANGELES (HOLY CROSS CEMETERY)</b>	72.30	72.30
RUFFNER CORP		
SUCCESSOR TO LOUIS M SEPULVEDA	0.70	
ABANDONED WATER RIGHT	-0.70	
TOTAL		0.00
<b>RYAN AERONAUTICAL CO</b>	20.20	
SOLD TO SOUTHERN CALIFORNIA WATER CO	-20.20	
TOTAL		0.00
<b>SANTA FE LAND IMPROVEMENT CO</b>	39.50	
SOLD TO HILLSIDE MEMORIAL PARK	-39.50	
TOTAL		0.00
<b>SCANDA, JAMES AND GEORGE NASSIN</b>	1.90	
SOLD TO DONALD G HUNT	-1.90	
TOTAL		0.00
<b>SCHLAEGEL, KEITH W AND OPAL B</b>	13.60	
SOLD TO SIDNEY R AND CHARLOTTE W	-13.60	
TITLE		
TOTAL		0.00
SCOTT, H S		
SUCCESSOR TO W F BURKE AND LOIS PRICE	9.50	
QUITCLAIMED TO PACIFIC CREST CEMETERY CO	-9.50	
TOTAL		0.00
<b>SEABACK, ALFRED D AND RUTH</b>	3.50	
SOLD TO LESLIE R FLESH AND OR PASTERNAK, ET AL	-3.50	
TOTAL		0.00
<b>SEPULVEDA, LOUIS M</b>	0.70	
ACQUIRED BY RUFFNER CORP	-0.70	
TOTAL		0.00
SHEETS, ESTHER M		
(FORMERLY CLYDE L SHEETS) (SEE DENNIS, ESTHER M SHEETS)		

### **SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2002**

<b>SHELL OIL CO</b>	<b>4,516.00</b>	
SUCCESSOR TO LAGERLOF, STANLEY C	3.50	
SOLD IN PART TO UNION OIL CO OF CAL	-1,974.00	
SOLD IN PART TO UNION OIL CO OF CAL	-1,526.00	
TOTAL		<u>1,019.50</u>
<b>SHINODA BROTHERS, INC</b>		
SECOND WEST COAST BASIN JUDGMENT	22.50	
SOLD TO GARRETT CORP, THE	-22.50	
TOTAL		0.00
<b>SMITH, A H.(SAM SURBER AND FRED A SMITH)</b>	<b>9.70</b>	
SOLD IN PART TO STATE OF CALIFORNIA	-2.60	
SOLD IN PART TO GRAND LAND CO	-5.70	
SOLD IN PART TO L A CO FLOOD CONTROL	-1.40	
DISTRICT		
TOTAL		0.00
<b>SOCONY MOBIL OIL CO</b>		
(SEE MOBIL OIL CO)		
<b>SOUTHERN CALIFORNIA EDISON CO</b>	<b>10.40</b>	
SUCCESSOR TO ASSOCIATED SOUTHERN	46.70	
INVESTMENT CO		
TOTAL		<u>57.10</u>
<b>SOUTHERN CALIFORNIA WATER CO</b>	<b>6,265.30</b>	
SUCCESSOR TO EWING, CARMELITA	91.30	
ROSECRANS		
SUCCESSOR TO LOS ANGELES COUNTY	551.00	
WATERWORKS DIST NO 22		
SUCCESSOR TO PARK WATER CO	160.00	
SUCCESSOR TO RYAN AERONAUTICAL CO	20.20	
SUCCESSOR TO SOUTHERN PACIFIC CO	166.00	
SUCCESSOR IN PART TO OWEN W CURTIS	3.44	
SUCCESSOR IN PART TO B ROBINSON AND	2.40	
ASSOCIATES		
TOTAL		<u>7,259.64</u>
<b>SOUTHERN PACIFIC CO</b>	<b>166.00</b>	
SOLD TO SO CALIFORNIA WATER CO	-166.00	
TOTAL		0.00
<b>SOUTHWEST STEEL ROLLING MILLS</b>		
SUCCESSOR TO MARTIN BROTHERS BOX	3.40	
CO, INC		
SOLD TO COAST FOREST PRODUCTS	-3.40	
TOTAL		0.00
<b>SPANISH AMERICAN INSTITUTE</b>	<b>44.40</b>	
SOLD TO FUTURA INDUSTRIES, INC	-44.40	
TOTAL		0.00
<b>SPARKLETT'S DRINKING WATER CORP</b>		
SUCCESSOR TO ANDERSON, REMBERT C,	80.50	
ET AL		
SUCCESSOR TO CALIFORNIA, STATE OF	26.10	
SUCCESSOR TO KAHLERT, ET AL	18.90	
SUCCESSOR TO KURTZ, GLADYS	3.50	
SUCCESSOR TO MCCANDLESS, JAMES	6.70	
SUCCESSOR TO WECHSLER, B A	3.10	
SUCCESSOR IN PART TO KELLY PIPE CO	13.80	
SOLD TO WESTERN WATER CO	-152.60	
TOTAL		0.00
<b>STANDARD OIL CO OF CALIFORNIA</b>		
(NOW KNOWN AS CHEVRON U S A, INC)		
<b>STAUFFER CHEMICAL CO</b>	<b>521.00</b>	
SOLD TO RHONE-POULENC BASIC	-521.00	
CHEMICALS CO		
TOTAL		0.00
<b>SUNRISE GROWERS, INC</b>		
SUCCESSOR TO AMERICAN PLANT	10.00	
GROWERS INC		
SOLD TO AMERICAN PLANT GROWERS, INC	-10.00	
TOTAL		0.00
<b>SUPERIOR OIL CO</b>		
SUBJECT TO LONG TERM LEASE FROM	26.40	
ISABELA J GRANZ		
SOLD TO MOBIL OIL CORP	-26.40	
TOTAL		0.00
<b>SWICK, PEGGY</b>	<b>5.50</b>	
SOLD TO HILARIO AND EMMA ALWAG	-5.50	
TOTAL		0.00
<b>TEXACO, INC</b>		
(NOW KNOWN AS TEXACO REFINING AND MARKETING, INC)		
<b>TEXACO REFINING AND MARKETING, INC</b>	<b>3,432.00</b>	
(FORMERLY: TEXACO, INC)		
SOLD TO EQUILON ENTERPRISES, LLC	-3,432.00	
TOTAL		0.00
<b>THAXTER, RALPH AND LOIS A LENOIR</b>	<b>3.50</b>	
SOLD TO KENICHI INOSE	-3.50	
TOTAL		0.00
<b>THORPE, GREGORY</b>		
SUCCESSOR IN PART TO ESTATE OF JOHN	11.80	
GRANT		
SOLD TO DOMINGUEZ WATER CORP	-11.80	
TOTAL		0.00
<b>THORPE, TERENCE</b>		
SUCCESSOR IN PART TO ESTATE OF JOHN	11.80	<u>11.80</u>

### **SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2002**

<b>GRANT</b>		
<b>TIDEWATER OIL CO</b>		
(SEE PHILLIPS PETROLEUM CO)		
TITLE, SIDNEY R AND CHARLOTTE W		
SUCCESSOR TO KEITH W AND OPAL B	13.60	
SCHLAEGE L		
SOLD TO ABC NURSERY, INC	-13.60	
TOTAL		0.00
<b>TORRANCE, CITY OF</b>	<b>2,519.00</b>	
SUCCESSOR TO BARCLAY HOLLANDER	3.33	
CORP		
SUCCESSOR TO BARCLAY, RICHARD AND		
WATT, R A	59.96	
SUCCESSOR TO BELVIDERE MUTUAL	33.40	
WATER CO		
SUCCESSOR TO DENNIS, ESTHER M SHEETS	5.50	
SUCCESSOR TO ALCAST FOUNDRY ET AL	7.20	
SUCCESSOR TO GONZALES, GABRIELA AND	34.30	
MARIA R		
SUCCESSOR TO JONES, ANNA MAE	50.20	
SUCCESSOR TO MONETA WATER CO	916.00	
SUCCESSOR TO MORAN, RONALD E	9.00	
SUCCESSOR TO NORMANDIE PARK	136.82	
SUCCESSOR TO TORRANCE UNIFIED	59.40	
SCHOOL DISTRICT		
SUCCESSOR TO UNITED STATES STEEL	1,791.00	
CORP		
SUCCESSOR TO WATT, R A, INC	13.75	
TOTAL		<u>5,638.86</u>
<b>TORRANCE SAND AND GRAVEL CORP</b>		
SUCCESSOR TO WESTON INVESTMENT CO	184.00	
SOLD TO CHANDLERS PALOS VERDES SAND	-184.00	
AND GRAVEL CORP		
TOTAL		0.00
<b>TORRANCE UNIFIED SCHOOL DISTRICT</b>		
SUCCESSOR TO HILARIO S AND EMMA	59.40	
ALWAG		
SOLD TO CITY OF TORRANCE	-59.40	
TOTAL		0.00
<b>TOSCO CORP</b>		
SUCCESSOR TO UNION OIL CO OF CALIF	6,170.00	<u>6,170.00</u>
TUNE, MATES, ET AL		
SUCCESSOR TO JOSEPHINE WATKINSON	3.10	
SOLD TO B A WECHSLER	-3.10	
TOTAL		0.00
<b>UNION NURSERY, INC</b>		
SECOND WEST COAST BASIN JUDGMENT	4.70	
SOLD TO CENTURY BUILDERS	-4.70	
TOTAL		0.00
<b>UNION OIL CO OF CALIFORNIA</b>	<b>2,670.00</b>	
SUCCESSOR IN PART TO SHELL OIL CO	1,974.00	
SUCCESSOR IN PART TO SHELL OIL CO	1,526.00	
SOLD TO TOSCO CORP	-6,170.00	
TOTAL		0.00
<b>UNITED CALIFORNIA BANK</b>		
SUCCESSOR TO BALLMAN, ROSEMARY N	7.00	
SOLD TO A B C NURSERY, INC	-2.00	
SOLD TO NOZAKI, SUMIKICHI	-5.00	
TOTAL		0.00
<b>UNITED STATES NAVY DEPARTMENT</b>	<b>1.70</b>	
LONG TERM LEASE TO MCDONNELL	-1.70	
DOUGLAS CORP PER JUDGEMENT		
TOTAL		0.00
<b>UNITED STATES STEEL CORP</b>	<b>1,791.00</b>	
SOLD TO TORRANCE, CITY OF	-1,791.00	
TOTAL		0.00
<b>VERBURG, WILLIAM AND CLARA B</b>	<b>6.70</b>	
SOLD TO ABC NURSERY, INC	-6.70	
TOTAL		0.00
<b>WADA, KAORU AND SATORU</b>	<b>12.20</b>	
SOLD TO PACIFIC CREST CEMETERY CO	-12.20	
TOTAL		0.00
<b>WATKINSON, JOSEPHINE</b>	<b>3.10</b>	
SOLD TO MATES TUNE, ET AL	-3.10	
TOTAL		0.00
<b>WATSON LAND CO</b>	<b>42.60</b>	
SUCCESSOR IN PART TO DOMINGUEZ	37.60	
WATER CORP		
TOTAL		<u>80.20</u>
<b>WATT INDUSTRIAL PROPERTIES</b>		
SUCCESSOR TO WILLIAM LITTLE	0.10	<u>0.10</u>
WATT, R A, INC		
SUCCESSOR TO NED EWING, ET AL	6.50	
SUCCESSOR IN PART TO ISABELA J GRANZ	13.75	
ESTATE		
SUCCESSOR IN PART TO JOUGHIN	55.35	
TORRANCE RANCH		
SOLD TO DOMINGUEZ WATER CORP	-61.85	
SOLD TO CITY OF TORRANCE	-13.75	
TOTAL		0.00

**SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST  
BASIN-JUNE 2002**

WECHSLER, B A		
SUCCESSOR TO MATES TUNE, ET AL	3.10	
SOLD TO SPARKLETTS DRINKING WATER CORP	-3.10	
TOTAL		0.00
WESTERN WATER CO		
SUCCESSOR TO FLETCHER OIL AND REFINING CO	90.00	
SUCCESSOR TO SPARKLETTS DRINKING WATER CORP	152.60	
SOLD TO WESTERN WATER SERVICES CO	-242.60	
TOTAL		0.00
<u>WESTERN WATER SERVICES CO</u>		
SUCCESSOR TO WESTER WATER SERVICES CO	242.60	<u>242.60</u>
<b>WESTON INVESTMENT CO</b>	<b>184.00</b>	
SOLD TO TORRANCE SAND AND GRAVEL CORP	-184.00	
TOTAL		0.00
<b><u>WISEBURN SCHOOL DISTRICT</u></b>	<b>8.20</b>	<b><u>8.20</u></b>
<b>WOODMAN, KATHERINE P</b>		
(SEE FRED A JUNGQUIST)		
<b><u>ZEIGLER, MAXWELL T</u></b>	<b>0.00</b>	<b><u>0.00</u></b>
 GRAND TOTAL	 64,468.25	 64,468.25

LEGEND

**WEST COAST BASIN JUDGMENT-1961**  
*SECOND WEST COAST BASIN JUDGMENT*  
CURRENT WATER RIGHT HOLDERS

### Appendix C. GROUNDWATER EXTRACTIONS

PRODUCTION - WEST BASIN															
: STATE	: OWNERS	2001							2002					:	TOTAL
: WELL	: DESIG-	:													
: NUMBER	: NATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	:	
A B C NURSERY, INC															
7002															
03S/13W-29F11S	1	5.21	6.21	4.47	4.14	1.10	0.00	0.00	0.73	2.02	3.74	4.38	6.36	38.36	
ALLIED-SIGNAL, INC															
7003															
03S/14W-35M07S	NEW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
AMERICAN PLANT GROWERS, INC															
7010															
04S/13W-19J06S	829M	6.03	5.70	2.53	4.83	1.80	1.05	2.13	4.84	6.67	4.05	9.30	2.82	51.75	
ATLANTIC RICHFIELD CO															
7025															
04S/13W-16J05S	00013	191.54E	180.37E	163.86E	166.60E	154.87E	125.56E	165.26E	141.77E	154.47E	132.45E	139.66E	132.12E	1848.53	
04S/13W-16R02S	00011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-21H02S	00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-21H05S	00007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.10E	0.00	0.00	0.00	8.10	
04S/13W-21H06S	00008	35.20E	11.33E	35.42E	53.32E	49.85E	53.93E	52.22E	32.51E	35.35E	32.29E	51.40E	44.39E	487.21	
04S/13W-21H07S	00012	94.65E	168.56E	160.80E	170.03E	166.51E	171.81E	169.01E	146.07E	150.17E	142.17E	148.90E	144.25E	1832.93	
04S/13W-21J02S	00010	96.43E	99.63E	92.59E	90.40E	86.93E	87.82E	82.69E	66.32E	70.28E	66.12E	71.74E	66.16E	977.11	
04S/13W-22E01S	00005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-22F01S	00009	36.19E	31.84E	31.01E	34.81E	28.34E	20.96E	10.44E	24.87E	27.12E	22.96E	33.94E	30.41E	332.89	
PARTY TOTALS:			491.73		515.16		460.08		411.54		395.99		417.33		
		454.01		483.68		486.50		479.62		445.49		445.64		5486.77	
ATLANTIC RICHFIELD CO (OIL RECOV)															
7026															
04S/13W-21L01S	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-21L02S	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-21P03S	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-21P04S	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PARTY TOTALS:			0.00		0.00		0.00		0.00		0.00		0.00		
		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
CALIFORNIA WATER SERVICE CO															
7050															



PRODUCTION - WEST BASIN															
: STATE	: OWNERS	2001								2002					: TOTAL
: WELL	: DESIG-														
: NUMBER	: NATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	:	
03S/14W-29H01S	30-01	74.69	70.51	76.26	0.00	0.00	0.26	0.28	0.39	0.00	0.43	76.39	77.15	376.36	
03S/14W-29J01S	22-01	91.51	96.94	116.35	0.01	0.34	0.00	0.25	0.00	0.20	0.35	105.93	117.11	528.99	
03S/14W-32A02S	08-02	93.03	82.17	87.93	0.00	0.30	0.00	0.32	0.06	0.00	0.32	63.95	66.85	394.93	
PARTY TOTALS:			249.62		0.01		0.26		0.45		1.10		261.11		
		259.23		280.54		0.64		0.85		0.20		246.27		1300.28	
CA WTR SERVICE CO/HAWTHORNE LEASE															
7052															
03S/14W-09M01S	00013	2.34	1.03	0.64	0.00	0.11	0.07	0.90	0.60	0.00	0.00	114.44	147.85	267.98	
03S/14W-09N04S	00004	10.71	18.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.76	
03S/14W-09N05S	00012	34.07	32.06	66.83	5.15	0.12	0.12	0.18	0.55	0.00	0.00	0.00	0.00	139.08	
03S/14W-09P01S	00008	12.05	16.85	0.11	0.00	0.07	0.05	0.08	0.16	0.00	0.00	0.00	0.00	29.37	
PARTY TOTALS:			67.99		5.15		0.24		1.31		0.00		147.85		
		59.17		67.58		0.30		1.16		0.00		114.44		465.19	
CA WATER SERVICE CO (DOMINGUEZ)															
7053															
04S/13W-11P02S	294-0	173.20	171.94	165.22	0.00	0.00	0.00	0.00	0.00	99.85	102.40	0.00	0.88	713.49	
04S/13W-15A06S	RCOMP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-15A11S	215-0	89.16	54.66	70.17	0.00	0.00	0.25	0.09	0.34	51.44	0.00	0.00	0.25	266.36	
04S/13W-15A14S	298-0	341.31	75.25	68.95	0.00	0.00	0.79	0.00	0.00	133.15	346.70	362.71	158.48	1487.34	
04S/13W-15B05S	215-0	97.90	59.94	74.68	0.00	0.00	0.28	0.28	0.17	43.57	0.00	0.00	0.21	277.03	
04S/13W-15F01S	277-0	113.13E	130.00E	126.09	0.00	0.00	0.01	0.02	0.04	4.16	0.00	50.48	66.18	490.11	
04S/13W-17D02S	219-0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-17D03S	219-0			159.06	262.42	93.29	0.00	0.62	0.29	142.86	249.74	266.30	261.61	1436.19	
04S/13W-20C01S	279-0	209.41	209.65	201.49	0.00	0.00	0.72	0.00	0.17	108.38	207.84	213.50	29.85	1181.01	
04S/13W-29E06S	275-0	79.32	71.43	64.46	0.00	0.00	0.29	0.44	0.07	0.00	0.00	0.00	0.00	216.01	
PARTY TOTALS:			772.87		262.42		2.34		1.08		906.68		517.46		
		1103.43		930.12		93.29		1.45		583.41		892.99		6067.54	
CA WTR SERV CO (BREWER DESALTER)															
7054															
04S/14W-10D03S	232-0	0.00	0.00	0.00	0.00	0.00	0.00	17.45	55.63	72.84	74.26	75.45	66.80	362.43	
04S/14W-10D04S	232-0	0.00	0.00	0.00	0.00	0.00	0.00	14.81	53.36	71.62	73.71	75.45	67.15	356.10	
PARTY TOTALS:			0.00		0.00		0.00		108.99		147.97		133.95		
		0.00		0.00		0.00		32.26		144.46		150.90		718.53	
CHANDLER PALOS VRDES SAND/GRAV CO															
7080															

PRODUCTION - WEST BASIN																
: STATE		: OWNERS		2001							2002				:	TOTAL
: WELL		: DESIG-														:
: NUMBER		: NATION		JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
04S/14W-35E06S		SIDEB		20.11	33.26	25.15	21.99	7.40	6.60	6.05	12.53	16.23	26.53	35.48	45.46	256.79
04S/14W-35F02S		PLANT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTY TOTALS:				20.11	33.26	25.15	21.99	7.40	6.60	6.05	12.53	16.23	26.53	35.48	45.46	256.79
DESSER ENTERPRISES																
7113																
04S/13W-15Q01S		878H		0.32E	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E	4.17
EVERGREEN AMERICA CORP																
7165																
03S/13W-29C08S		10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUJUMOTO, SR + ST + JK																
7201																
03S/13W-30A10S		00001		0.29	0.39	0.33	0.14	0.41E	0.00	0.65E	2.57	3.52	3.17	2.94	2.75	17.16
HILLSIDE MEMORIAL PARK																
7270																
02S/14W-19K03S		2		14.07	11.29	4.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.28
02S/14W-19K04S		3										4.46E	7.18E	3.47	12.95	28.06
PARTY TOTALS:				14.07	11.29	4.92	0.00	0.00	0.00	0.00	0.00	4.46	7.18	3.47	12.95	58.34
INGLEWOOD, CITY OF																
7310																
03S/14W-10F02S		4		284.78	279.37	253.59	170.67E	243.28	251.80	247.37	213.41	224.33	205.00	198.85	181.01	2753.46
03S/14W-10G03S		1		156.49	119.92	142.99	160.86	152.37	146.85	125.26	109.45	157.76	139.98	145.54	151.24	1708.71
03S/14W-10G04S		2		154.39	151.42	135.66	154.40	142.39	144.79	126.62	129.21	141.42	133.98	128.80	121.10	1664.18
PARTY TOTALS:				595.66	550.71	532.24	485.93	538.04	543.44	499.25	452.07	523.51	478.96	473.19	453.35	6126.35
INGLEWOOD PARK CEMETERY																
7312																
02S/14W-27M01S		IP17		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02S/14W-27N02S		00021		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02S/14W-27N03S		00022		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PRODUCTION - WEST BASIN																
: STATE : OWNERS :		2001								2002					:	TOTAL
: WELL : DESIG- :		:														
: NUMBER : NATION :		JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN			
PARTY TOTALS:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
														0.00		
LOS ANGELES, CITY OF																
7410																
04S/13W-30G01S	0310C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
04S/13W-30G03S	0320E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
04S/13W-30K01S	0320C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
04S/13W-31E01S	MP001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
PARTY TOTALS:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
														0.00		
LOS ANGELES COUNTY ALONDRA PARK																
7420																
03S/14W-27C01S	00761	0.00	0.00	11.23	4.53	9.65	9.29	0.00	0.00	30.88	6.62	21.23	0.00	93.43		
LOS ANGELES COUNTY SANITN DIST 2																
7440																
04S/13W-30C01S	00819	15.09	20.08	18.70	17.46	16.59	18.25	18.50	21.97	21.65	21.00	24.95	22.17	236.41		
LOMITA,CITY OF WATER SYSTEM																
7450																
04S/14W-35E07S	00005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
LA COUNTY CHESTER WASHINGTON GOLF																
7470																
03S/14W-11J02S	1397C	39.47	54.86	20.89	17.05	12.18	4.87	6.60	12.13	25.61	39.09	55.93	8.10	296.78		
MANHATTAN BEACH, CITY OF																
7490																
03S/14W-29C03S	15	217.39E	209.62E	73.07E	1.42E	1.09E	1.41E	0.92E	0.75E	0.76E	0.75E	134.78E	113.46E	755.42		
03S/14W-29D05S	11A	0.00	6.65E	180.29E	0.79E	1.06E	1.51E	1.13E	0.71E	1.13E	1.06E	116.70E	135.14E	446.17		
PARTY TOTALS:		217.39	216.27	253.36	2.21	2.15	2.92	2.05	1.46	1.89	1.81	251.48	248.60	1201.59		
MOBIL OIL CORP																
7510																

PRODUCTION - WEST BASIN															
: STATE :	OWNERS :	2001					2002								: TOTAL
: WELL :	DESIG- :														
: NUMBER :	NATION :	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	:	
04S/14W-03L02S	T0002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-03L03S	T0003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-03L04S	T0008	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-03L07S	T0007	118.10E	121.24E	108.26E	4.14E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.21E	445.95	
04S/14W-03L08S	T0009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-03M01S	T0006	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PARTY TOTALS:		118.10	121.24	108.26	4.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.21	445.95	
MOBIL OIL CORP (OIL RECOVERY)															
7511															
04S/14W-02F01S	EW-6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-02L01S	EW-5	21.40E	25.90E	22.60E	20.60E	27.50E	28.50E	30.10E	24.90E	27.20E	28.20E	32.10E	13.60E	302.60	
04S/14W-02L01S	EW-2	31.80E	25.00E	35.10E	27.00E	31.60E	32.70E	32.70E	23.20E	24.10E	31.80E	23.60E	28.40E	347.00	
04S/14W-02L02S	EW-3	22.10E	22.90E	22.20E	18.20E	22.70E	24.10E	25.30E	24.90E	27.70E	28.00E	27.40E	29.40E	294.90	
04S/14W-02L03S	EW-4	27.40E	25.50E	22.20E	23.70E	13.30E	15.20E	11.50E	21.20E	27.40E	18.80E	13.20E	21.40E	240.80	
04S/14W-02M01S	RW-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-02M02S	RW-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-02M03S	RW-3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-02M04S	EW-1	28.40E	28.50E	39.80E	27.10E	26.70E	27.40E	27.10E	22.20E	23.90E	13.70E	28.90E	26.20E	319.90	
PARTY TOTALS:		131.10	127.80	141.90	116.60	121.80	127.90	126.70	116.40	130.30	120.50	125.20	119.00	1505.20	
PACIFIC CREST CEMETERY CO															
7580															
03S/14W-33E01S	00743	9.39	10.46	5.86	3.96	1.58	0.55	1.60	3.29	3.83	5.33	7.80	9.07	62.72	
RHODIA, INC															
7623															
04S/13W-10C02S	D001A	39.11	46.53	35.68	39.93	26.25	30.71	6.96	59.59	30.69	42.59	45.61	44.53	448.18	
ROMAN CATHOLIC ARCHBISHOP OF L A															
7659															
02S/14W-18Q01S	HOLYX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
02S/14W-18Q02S	HOLY1	0.00	0.00	38.08	2.01	7.57	0.26	4.36	1.73	0.00	1.26	11.39	18.19	84.85	
PARTY TOTALS:		0.00	0.00	38.08	2.01	7.57	0.26	4.36	1.73	0.00	1.26	11.39	18.19	84.85	
SHELL OIL PRODUCTS US															

PRODUCTION - WEST BASIN														
: STATE	: OWNERS	2001					2002					:	TOTAL	
: WELL	: DESIG-											:		
: NUMBER	: NATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
7703														
04S/13W-22F02S	HA001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04S/13W-22F07S	SRP12	34.87E	34.95E	32.49E	34.14E	31.19E	36.86E	35.10E	26.84E	31.31E	33.87E	35.28E	34.83E	401.73
04S/13W-27M05S	SHE09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04S/13W-27N05S	SHE08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04S/13W-27N06S	SHE12	286.52E	287.72E	296.82E	304.49E	274.79E	274.69E	270.94E	238.19E	267.60E	277.62E	270.23E	317.79E	3367.40
04S/13W-34F07S	SHE11	150.25E	147.87E	133.68E	123.75E	111.60E	47.49E	124.11E	116.12E	126.49E	121.12E	121.26E	7.78E	1331.52
PARTY TOTALS:		471.64	470.54	462.99	462.38	417.58	359.04	430.15	381.15	425.40	432.61	426.77	360.40	5100.65
SOUTHERN CALIFORNIA EDISON CO														
7720														
03S/14W-34B02S	FRESA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03S/14W-34N04S	SCECO	2.78	2.85	2.96	2.04	0.70	0.60	0.70	0.84	1.44	0.93	2.89	2.22	20.95
04S/13W-14A07S	MORR1	0.17E	0.25E	0.15E	0.97E	0.03E	0.05E	0.07E	0.00	0.00	0.00	0.25E	0.20E	2.14
04S/13W-27A02S	HANSN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTY TOTALS:		2.95	3.10	3.11	3.01	0.73	0.65	0.77	0.84	1.44	0.93	3.14	2.42	23.09
SOUTHERN CALIFORNIA WATER CO														
7730														
03S/14W-02Q01S	TRURO	130.05	121.94	111.85	114.84	106.69	116.41	113.35	68.10	34.53	101.71	110.89	104.17	1234.53
03S/14W-03K01S	YU001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03S/14W-03K02S	YU002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03S/14W-03K04S	YU005				7.21	156.93	79.21	91.35E	110.14	125.14	114.24	116.39	59.22	859.83
03S/14W-03L02S	YU004				2.95	48.43	108.96	143.67E	135.50	157.88	151.66	150.89	95.48	995.42
03S/14W-13B02S	BA003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03S/14W-13B03S	BA004	142.76	142.96	137.56	149.23	151.95	154.65	150.95	139.68	154.47	148.57	147.75	144.58	1765.11
03S/14W-13J03S	S0003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03S/14W-13J04S	S0004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03S/14W-13J05S	S0006	128.68	129.58	122.52	124.47	117.90	119.74	118.17	105.31	116.28	113.02	118.59	116.11	1430.37
03S/14W-13J09S	S0005	126.10	85.12	102.89	121.33	116.26	117.10	118.35	103.91	112.81	106.05	111.25	106.03	1327.20
03S/14W-14A01S	EW001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03S/14W-14D01S	129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03S/14W-14D02S	129TH												46.14	46.14
03S/14W-15B03S	GOLDM	161.63	159.85	146.93	155.36	148.02	117.75	0.00	58.13	164.51	166.18	168.24	162.75	1609.35
03S/14W-15P01S	DOTY1	102.74	105.01	95.93	101.37	85.77	98.79	97.82	87.97	83.55	80.83	94.09	102.14	1136.01
03S/14W-15P02S	DOTY2	102.84	102.54	92.33	102.48	86.46	91.32	88.62	81.64	92.60	89.25	92.88	94.64	1117.60
03S/14W-21M01S	CH001	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
03S/14W-22K01S	CERIS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03S/14W-22L01S	CD001	54.46	54.35	51.88	27.29	0.00	0.00	0.00	3.48	6.63	54.62	59.14	57.67	369.52
03S/14W-22Q01S	0015B	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.15	0.00	0.00	0.00	0.23

PRODUCTION - WEST BASIN														
: STATE :	OWNERS :	2001						2002						: TOTAL
: WELL :	DESIG- :													
: NUMBER :	NATION :	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	:
03S/14W-25P04S	DA001	74.43	76.04	71.82	73.11	68.34	69.19	67.85	58.37	67.09	64.64	67.12	64.36	822.36
PARTY TOTALS:		1023.71	977.39	933.73	979.68	1086.75	1073.16	990.13	952.23	1115.64	1190.77	1237.23	1153.29	12713.71
TORRANCE, CITY OF														
7850														
03S/14W-34C02S	6	161.92	192.55	153.29	178.98	160.82	158.47	155.97E	135.83	145.82E	124.73E	139.41	124.02	1831.81
04S/14W-10K02S	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04S/14W-10K03S	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04S/14W-14K01S	7	0.00	0.00	305.69	97.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	402.80
PARTY TOTALS:		161.92	192.55	458.98	276.09	160.82	158.47	155.97	135.83	145.82	124.73	139.41	124.02	2234.61
TOSCO CORP														
7865														
04S/13W-21R01S	WI002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04S/13W-21R10S	WI004	196.32E	206.23E	197.38E	201.17E	192.30E	178.75E	178.75E	0.00	0.00	0.00	196.80E	171.00E	1718.70
04S/13W-31N03S	LA005	209.90E	159.76E	174.17E	178.05E	178.56E	181.47E	178.58E	168.57E	159.97E	146.64E	161.76E	149.36E	2046.79
04S/13W-31N04S	LA006	81.40E	91.08E	108.74E	123.55E	109.41E	106.88E	92.74E	94.20E	134.29E	143.61E	150.52E	145.77E	1382.19
PARTY TOTALS:		487.62	457.07	480.29	502.77	480.27	467.10	450.07	262.77	294.26	290.25	509.08	466.13	5147.68
WATER REPLENISHMENT DIST OF SO CA														
7917														
04S/14W-09A01S	MAD-2						285.01	280.18	164.42	228.03	266.85	256.33	255.17	1735.99
BASIN TOTALS:		5235.02	4888.01	5304.97	3731.94	3473.75	3552.54	3497.81	3110.27	4185.76	4520.06	5494.90	4927.04	51922.07

PRODUCTION															
: STATE	: OWNERS	:	2001					2002					:	TOTAL	
: WELL	: DESIG-	:											:		
: NUMBER	: NATION	:	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
CARSON AUTO, INC															
7058															
04S/13W-15K05S					0.00			0.00			0.00			0.00	0.00
BASIN TOTALS:															
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WB\_Lg &amp; Sm 26-aug-2002

**APPENDIX D. CHANGE IN WELL STATUS**

Party	Recordation Number	State Well No.	Owner Designation
<u>New Wells</u>			
California Water Service Co (Dominguez)	1909966	04S/13W-17D03S	219-02
Hillside Memorial Park	1909972	02S/14W-19K04S	3
Southern California Water Co	1909968	03S/14W-03L02S	YU004
Southern California Water Co	1909969	03S/14W-03K04S	YU005
Southern California Water Co	1909985	03S/14W-14D02S	129th#2
Water Replenishment of So California	1909942	04S/14W-09A01S	MAD-2
<u>Destroyed Wells</u>			
Los Angeles, City of	None	04S/13W-31E04S	Lomita 4
Southern California Water Co	1902191	03S/14W-13J03S	S0003
Southern California Water Co	1902192	03S/14W-13J04S	S0004
Southern California Water Co	1902193	03S/14W-14D01S	129

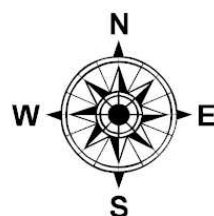




# Active Wells in West Coast Basin



Pacific Ocean



0 2 4 8 Miles

A horizontal scale bar with markings at 0, 2, 4, and 8 miles.

## Legend

- West Basin Boundary
- West Basin Active Wells
- Pumper & City Boundaries

